

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

FIG. 1

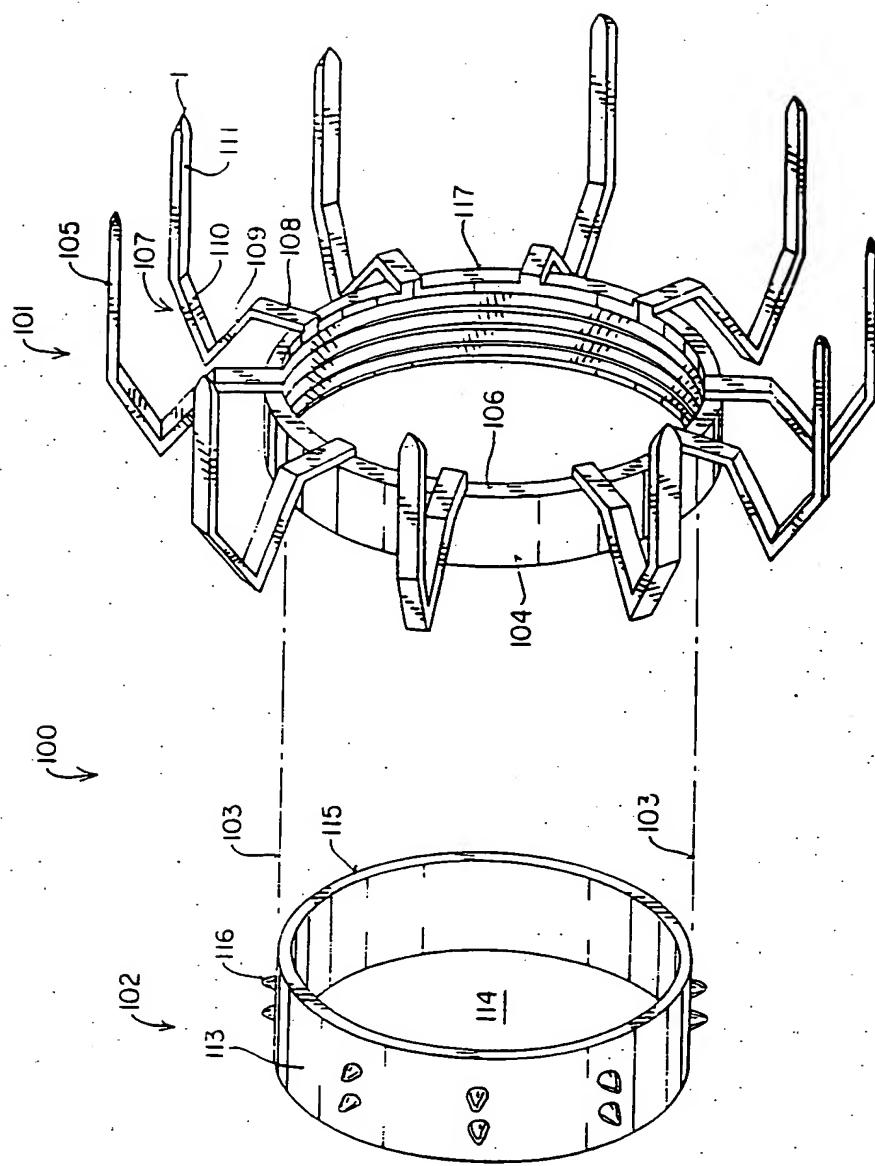


FIG. 2

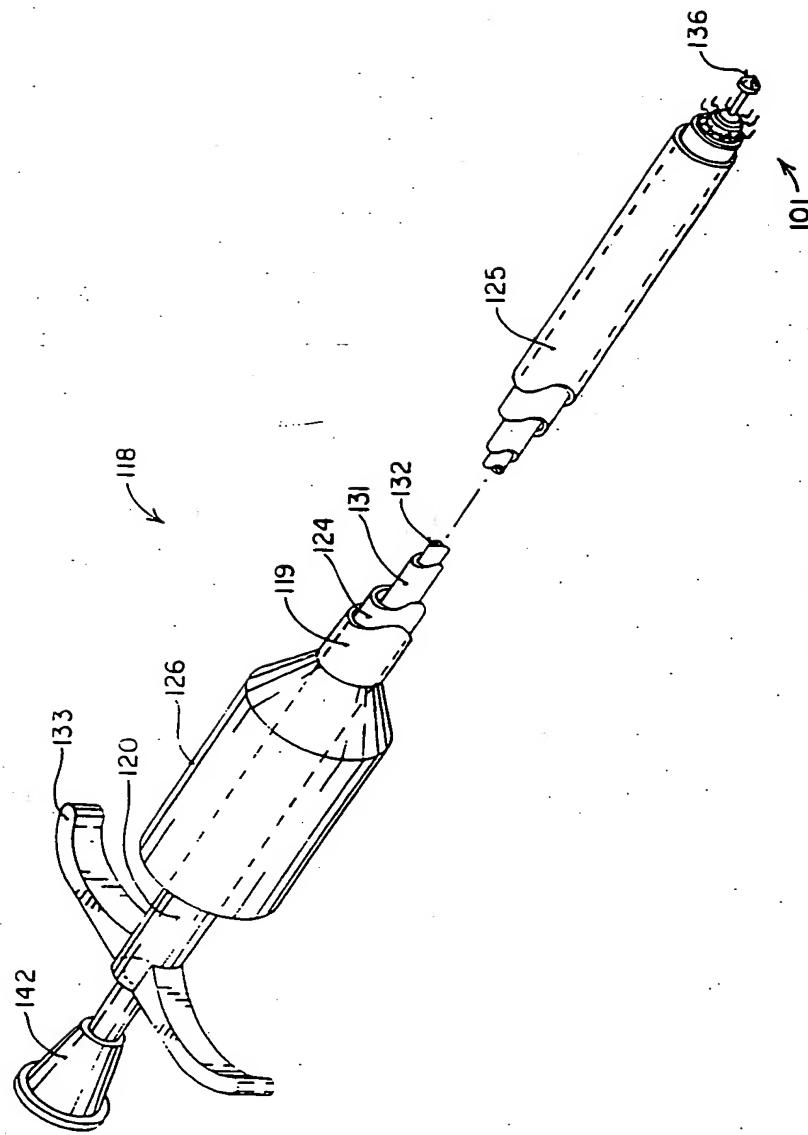
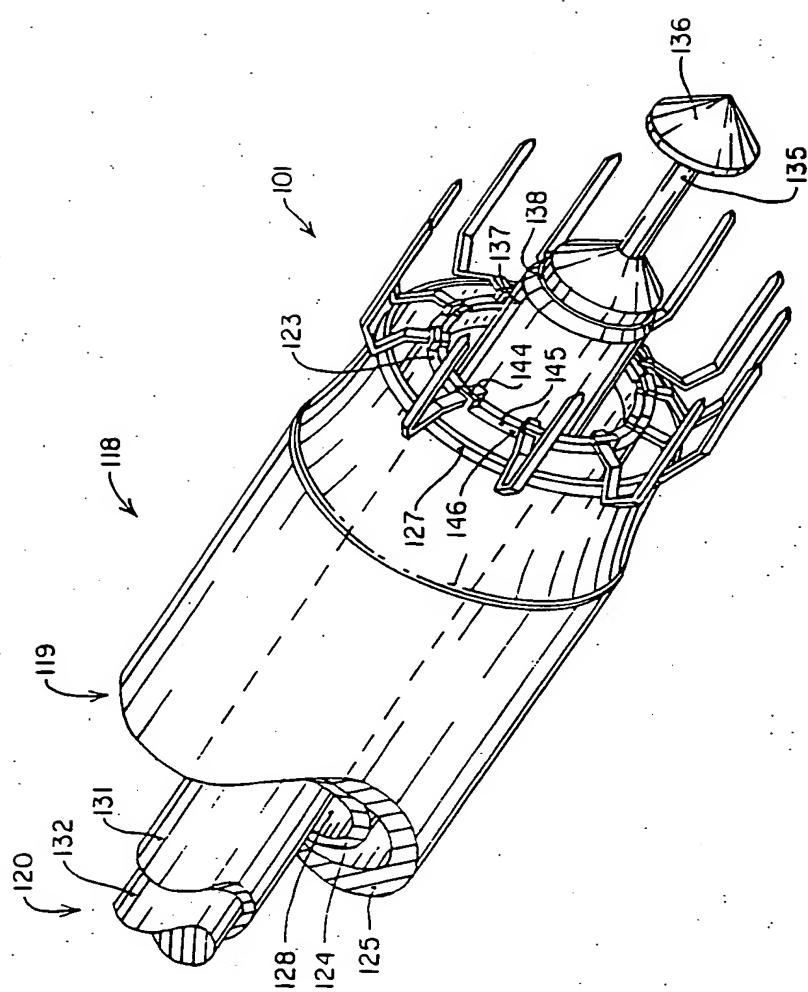


FIG. 3



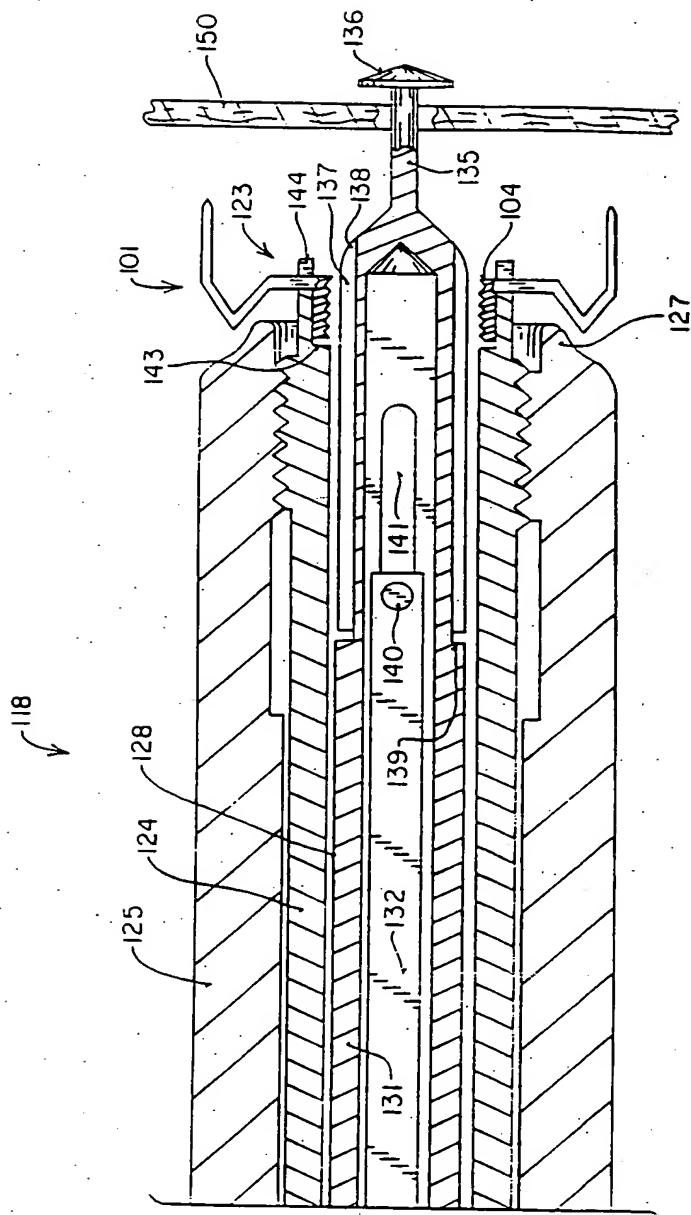


FIG. 4

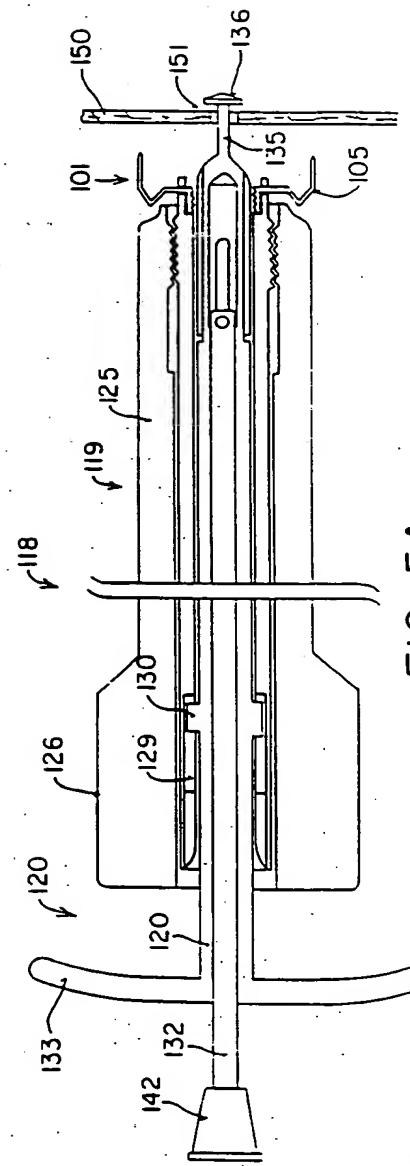


FIG. 5A

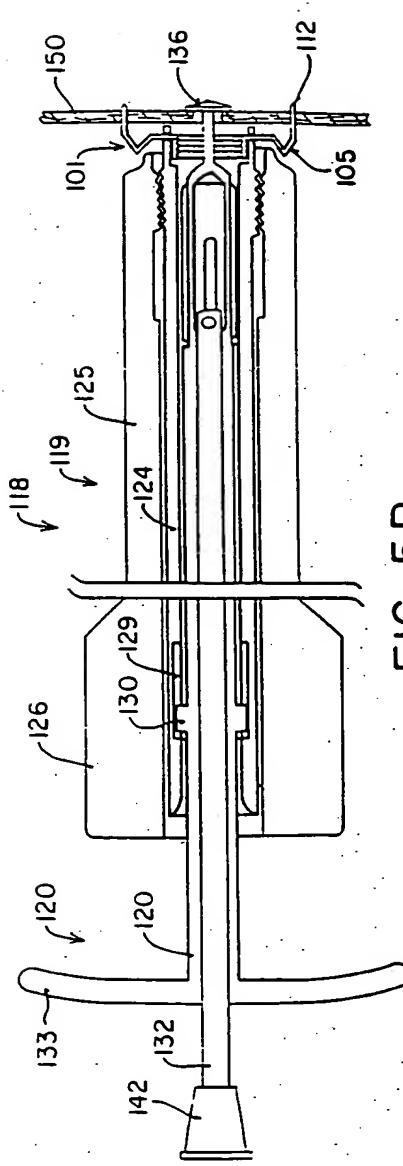


FIG. 5B

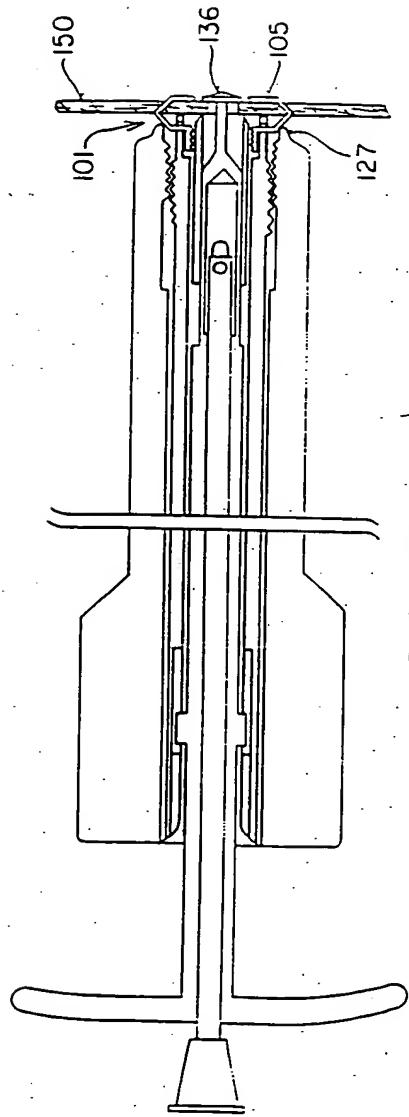


FIG. 5C

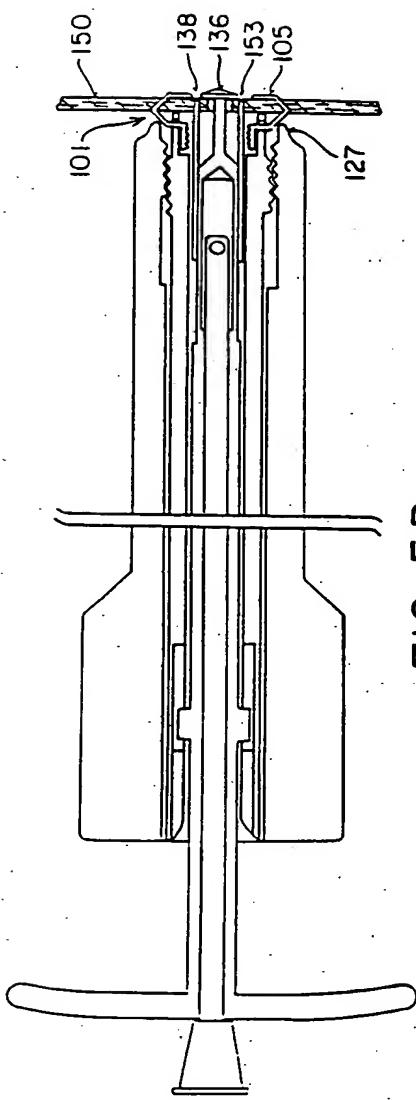
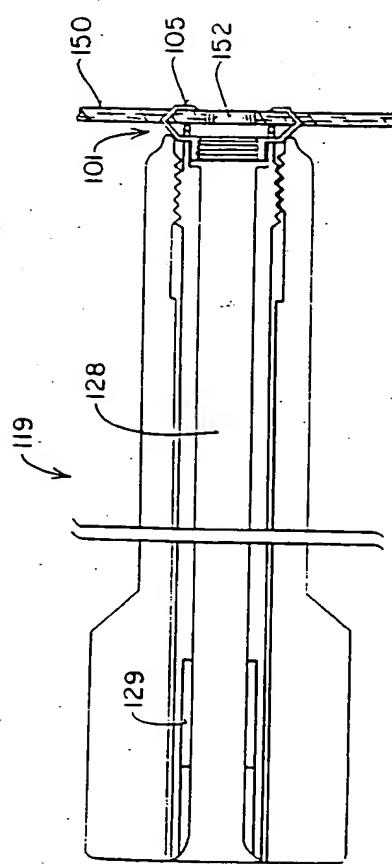


FIG. 5D

FIG. 5E



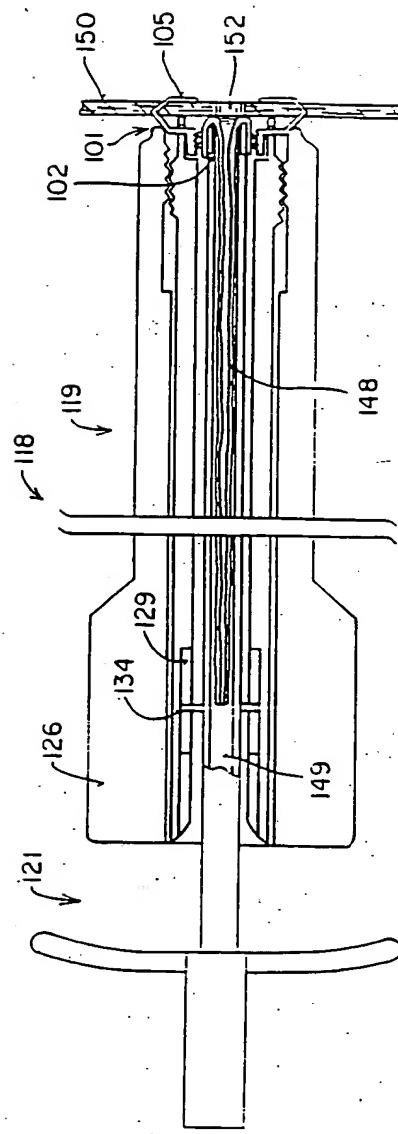


FIG. 5F

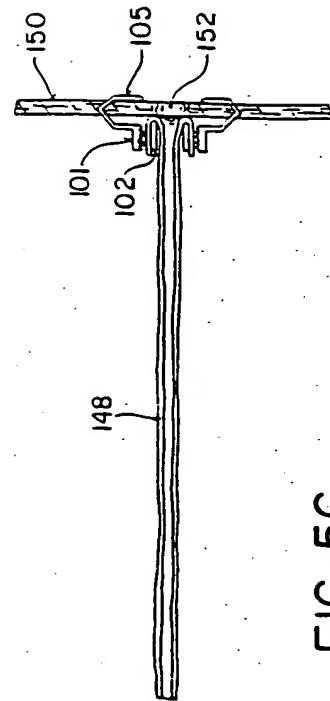


FIG. 5G

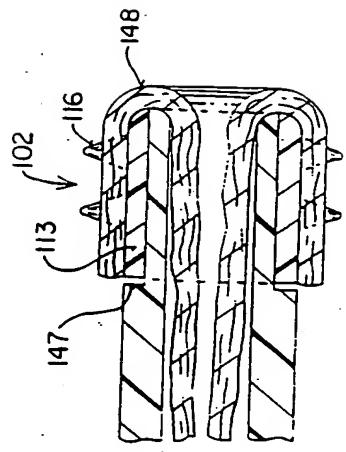


FIG. 6B

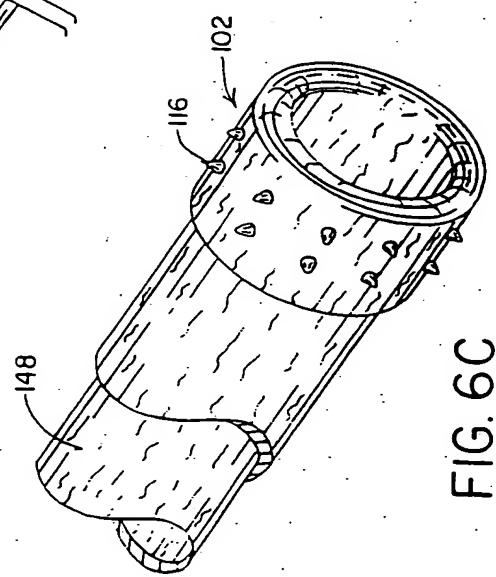
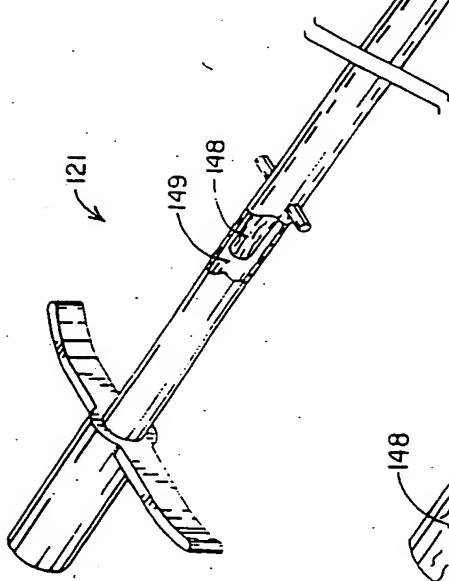


FIG. 6C

FIG. 7A

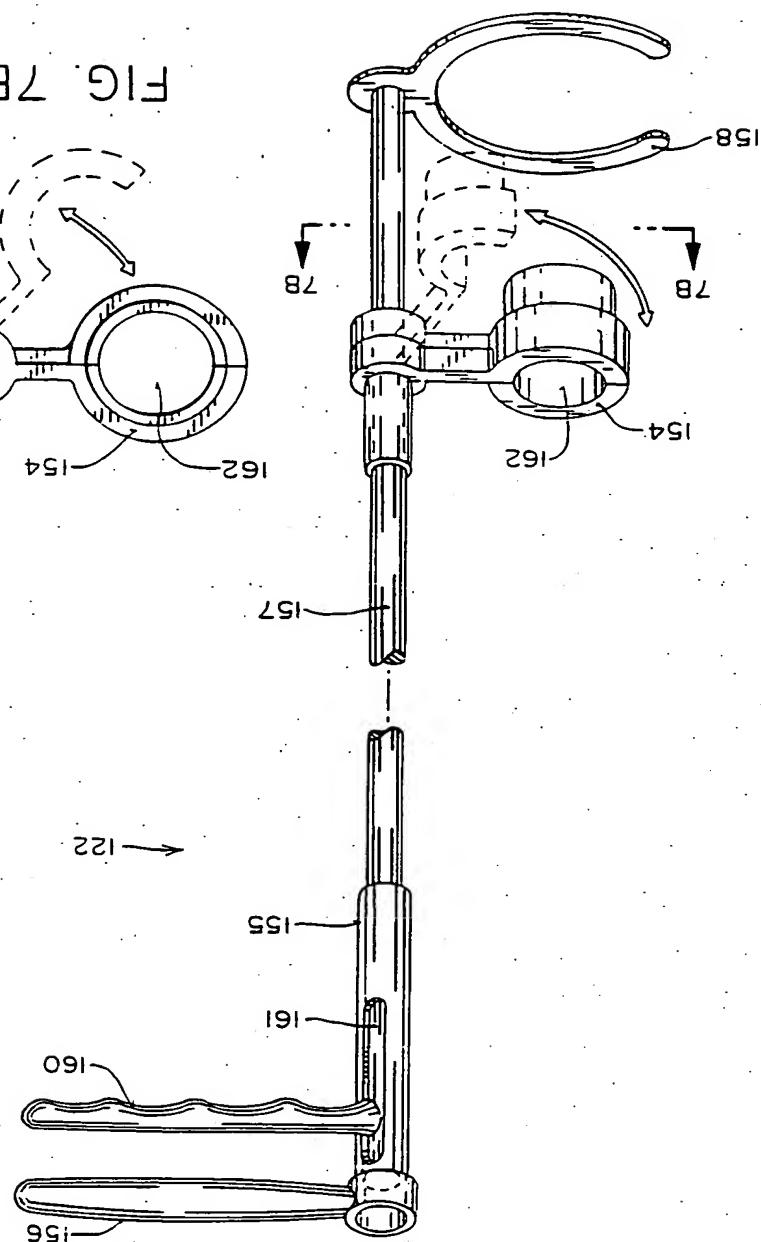
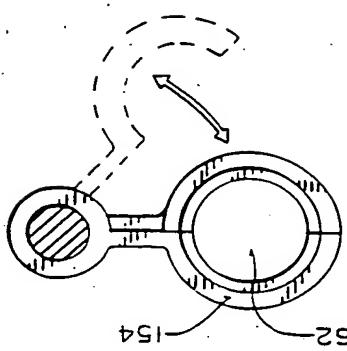


FIG. 7B



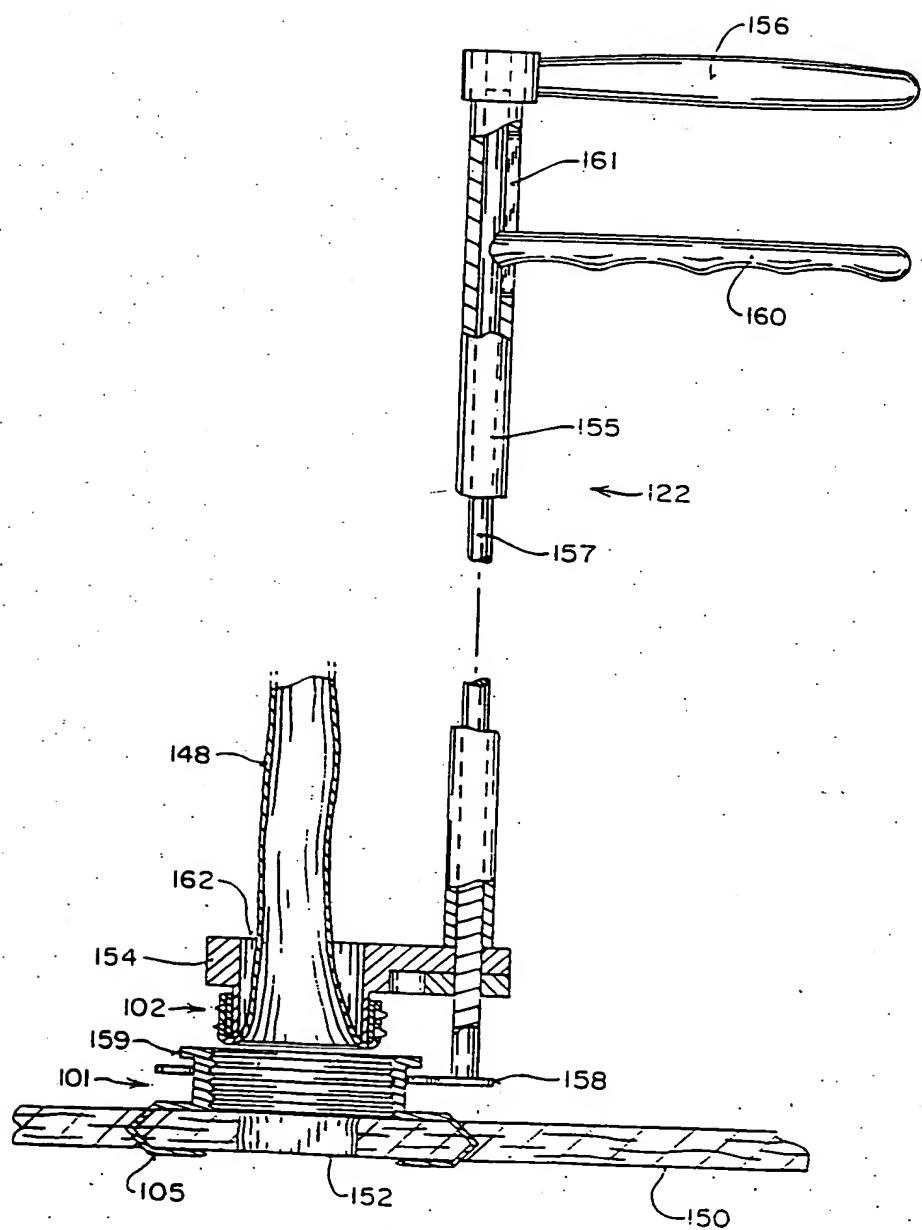


FIG. 7C

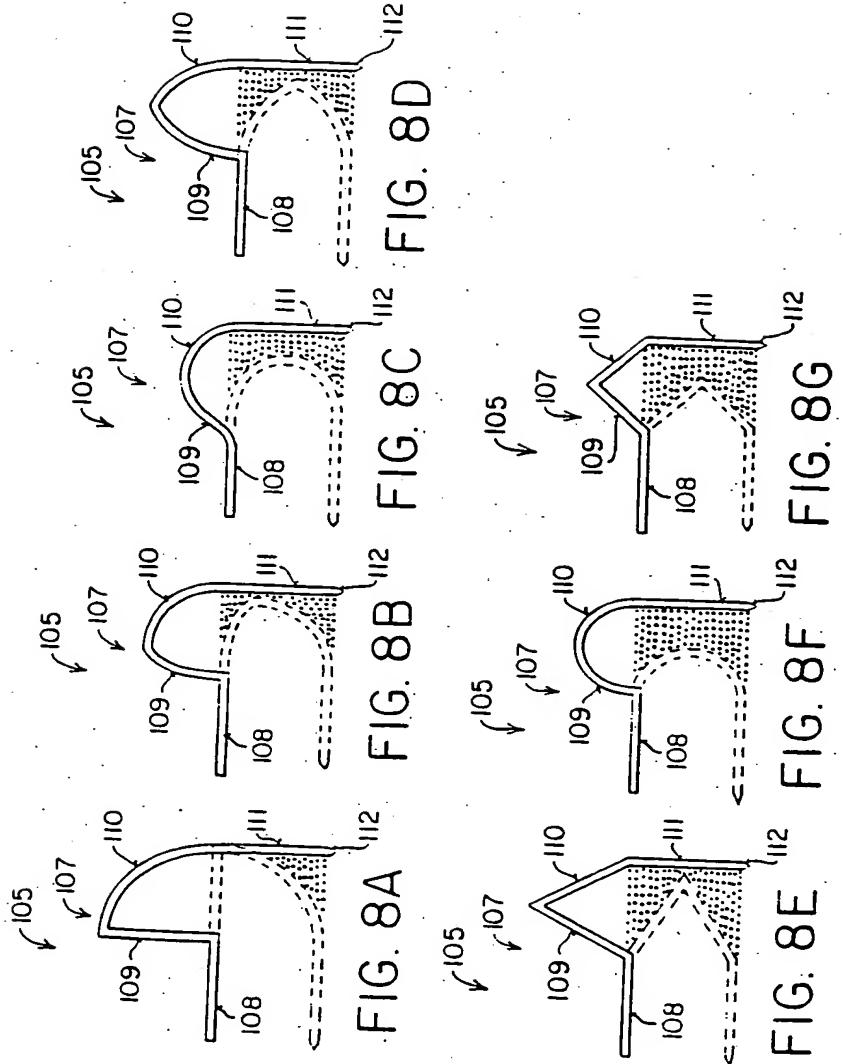


FIG. 9

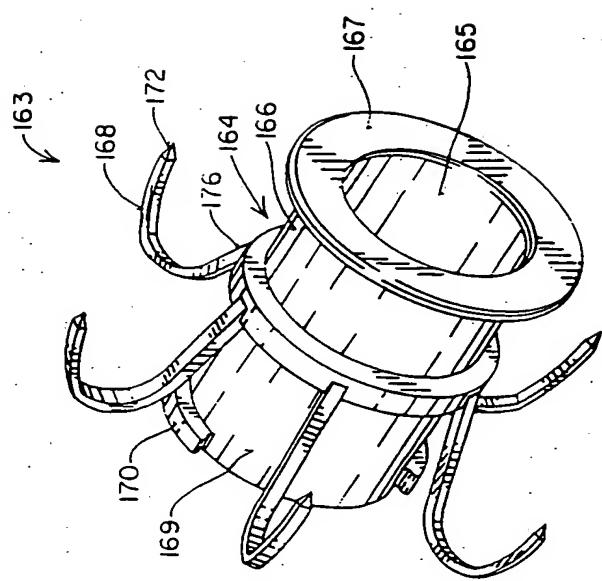


FIG. 10

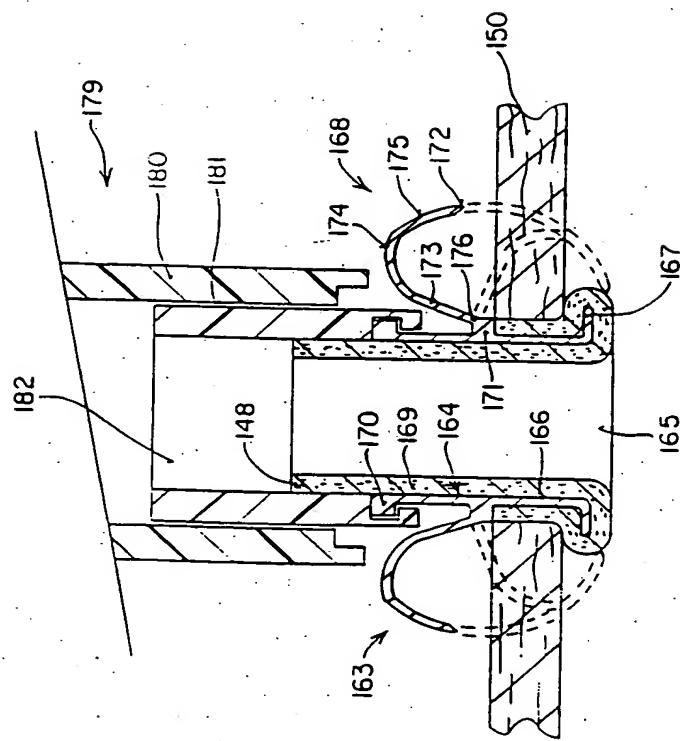


FIG. 11

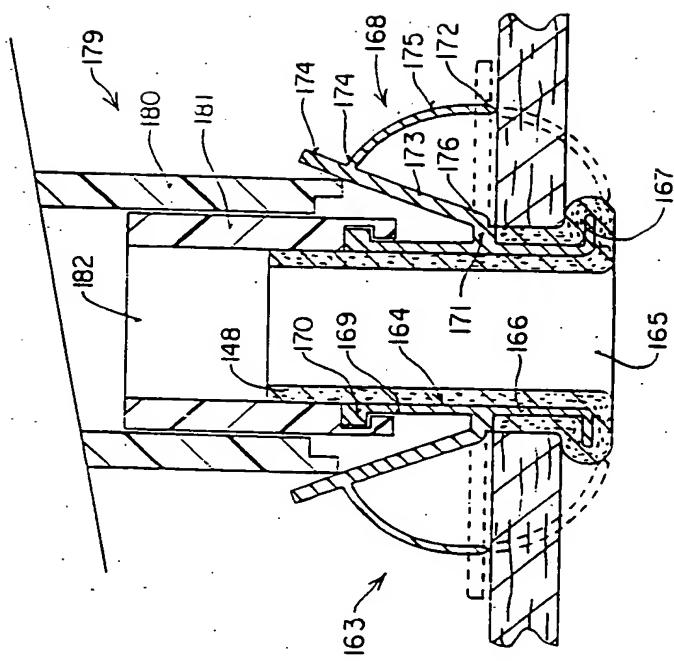


FIG. 12

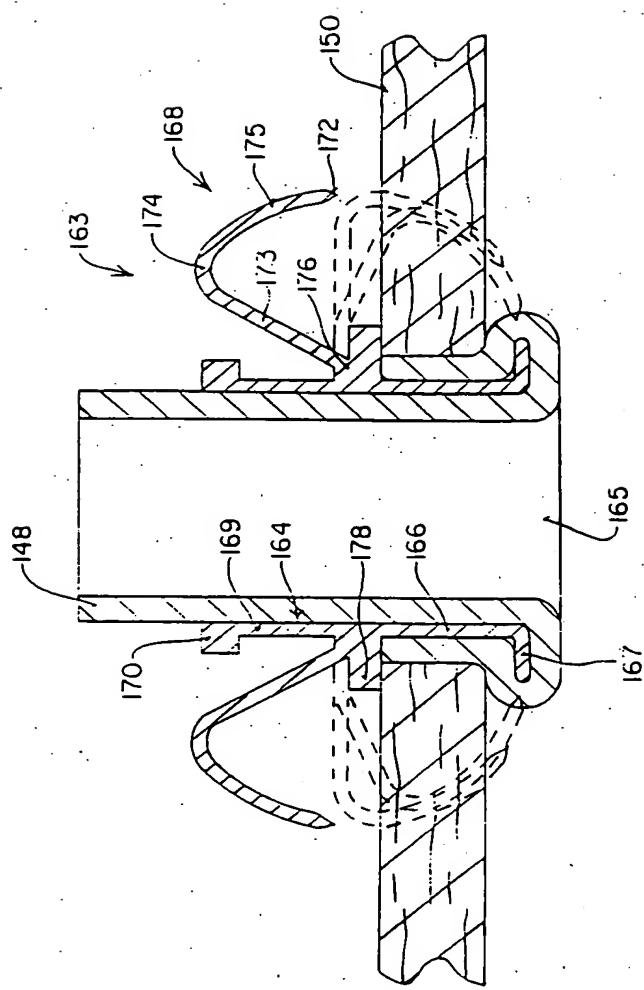


FIG. 13

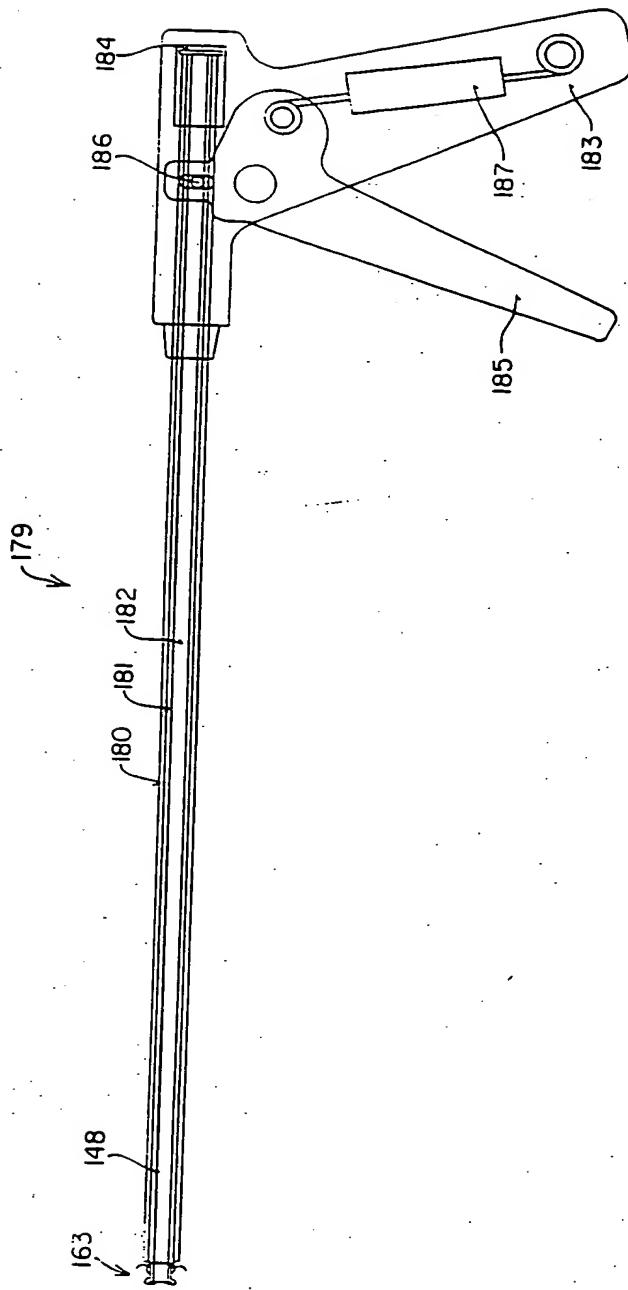
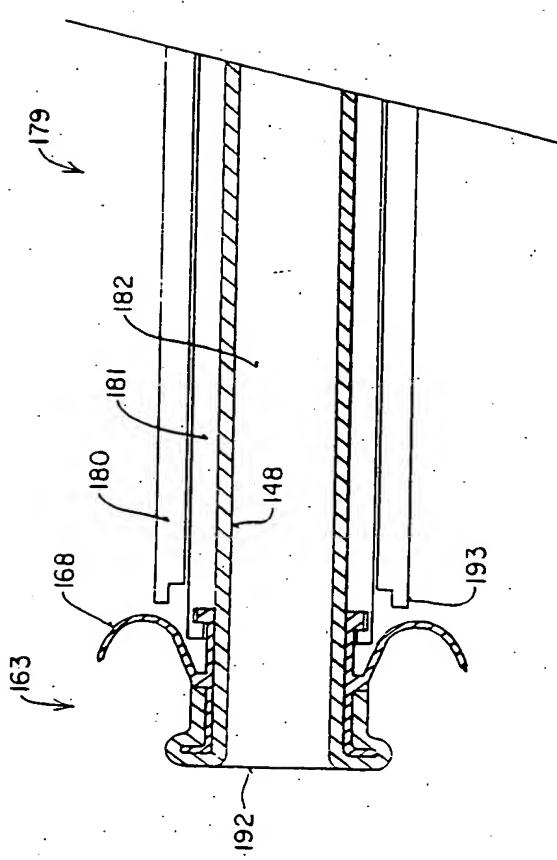


FIG. 14



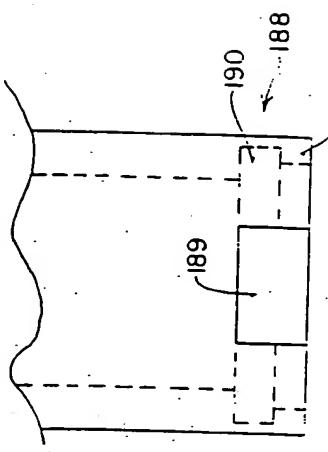


FIG. 15B

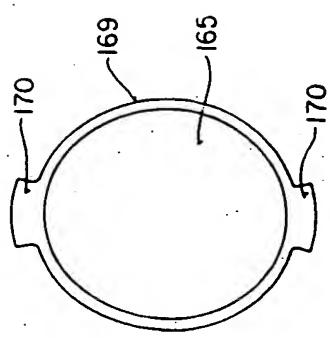


FIG. 15A

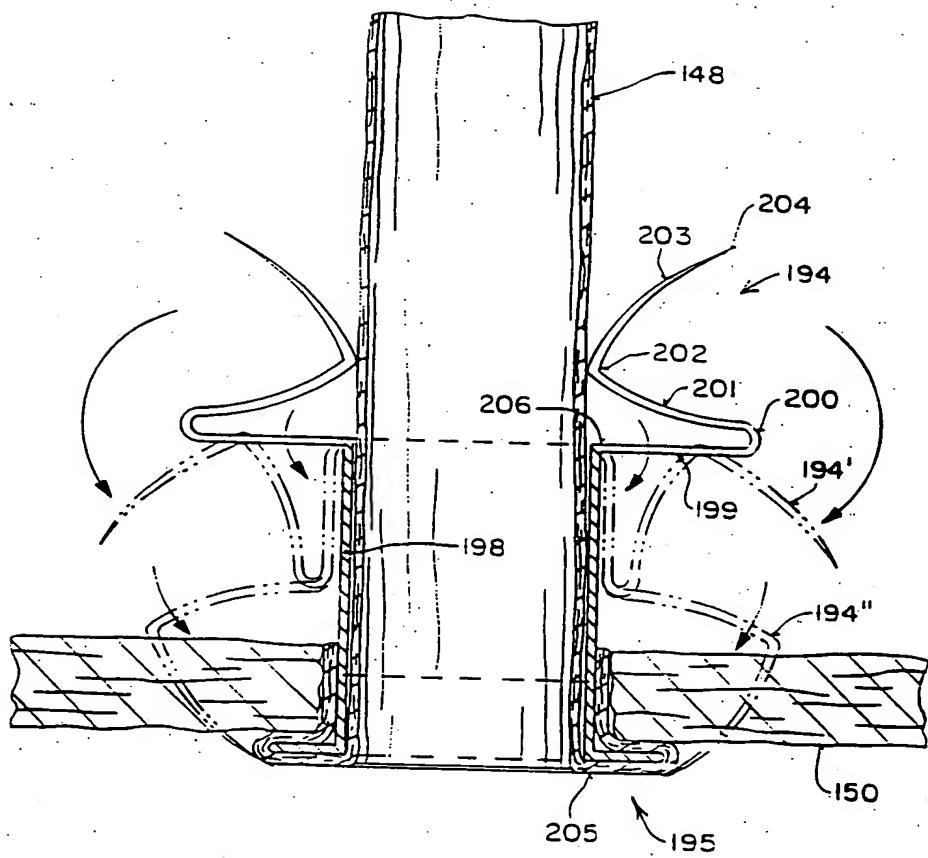


FIG. 16

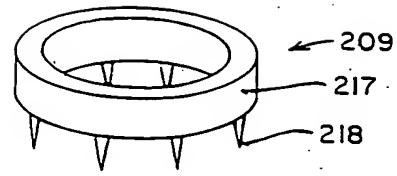


FIG. 17B

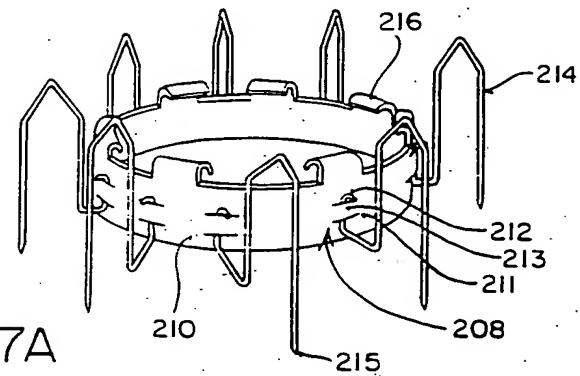


FIG. 17A

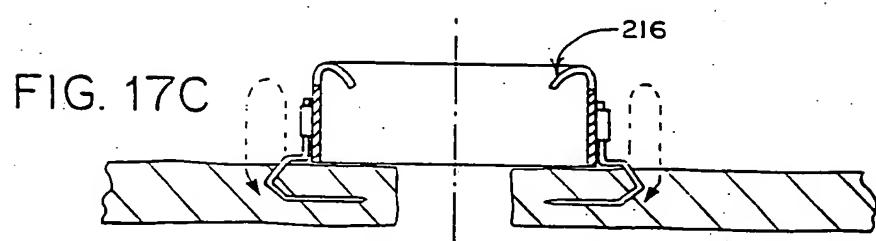


FIG. 17C

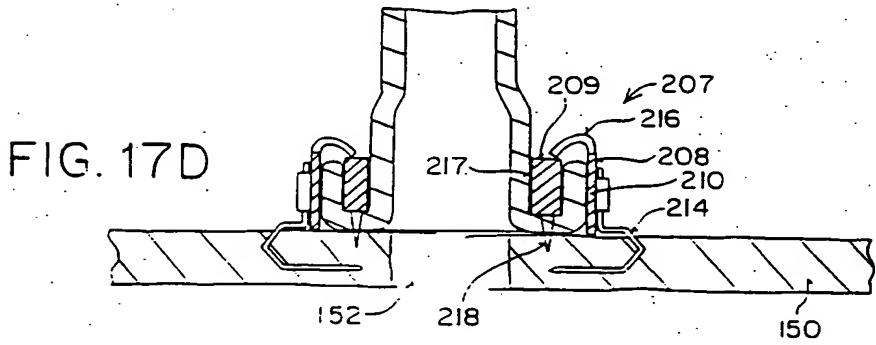


FIG. 17D

FIG. 18A

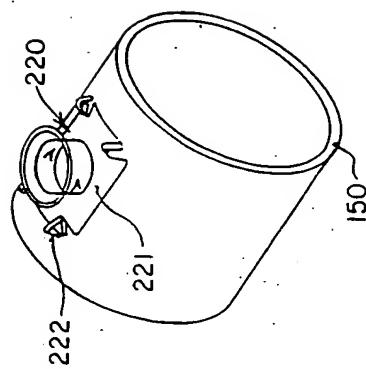


FIG. 18C

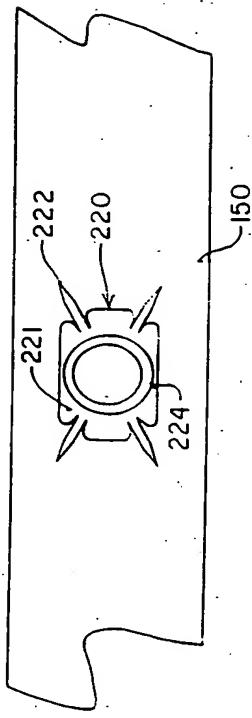


FIG. 18D



FIG. 18B

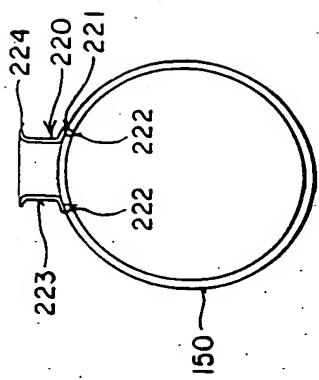


FIG. 18E

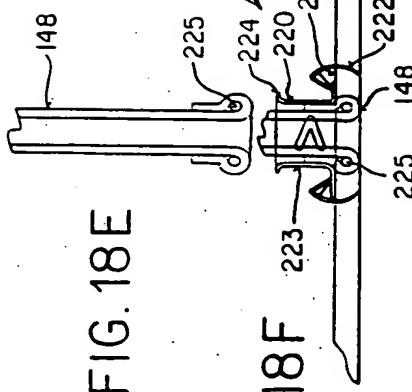


FIG. 18F

FIG. 19A

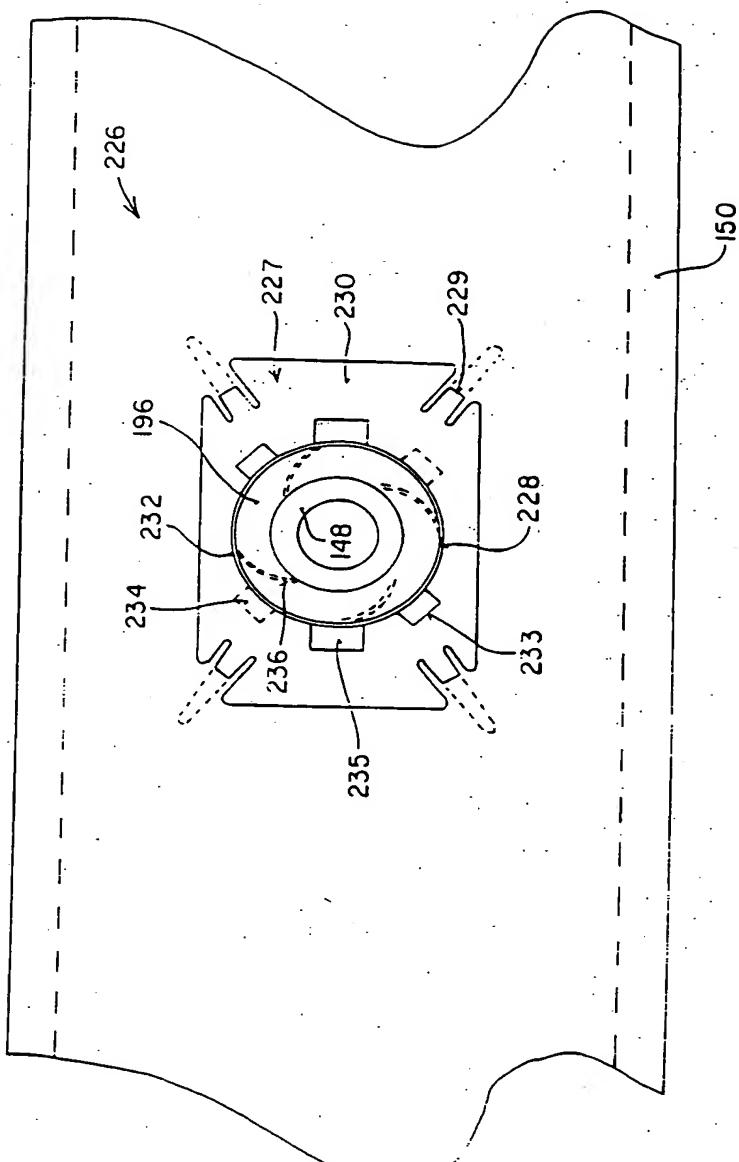
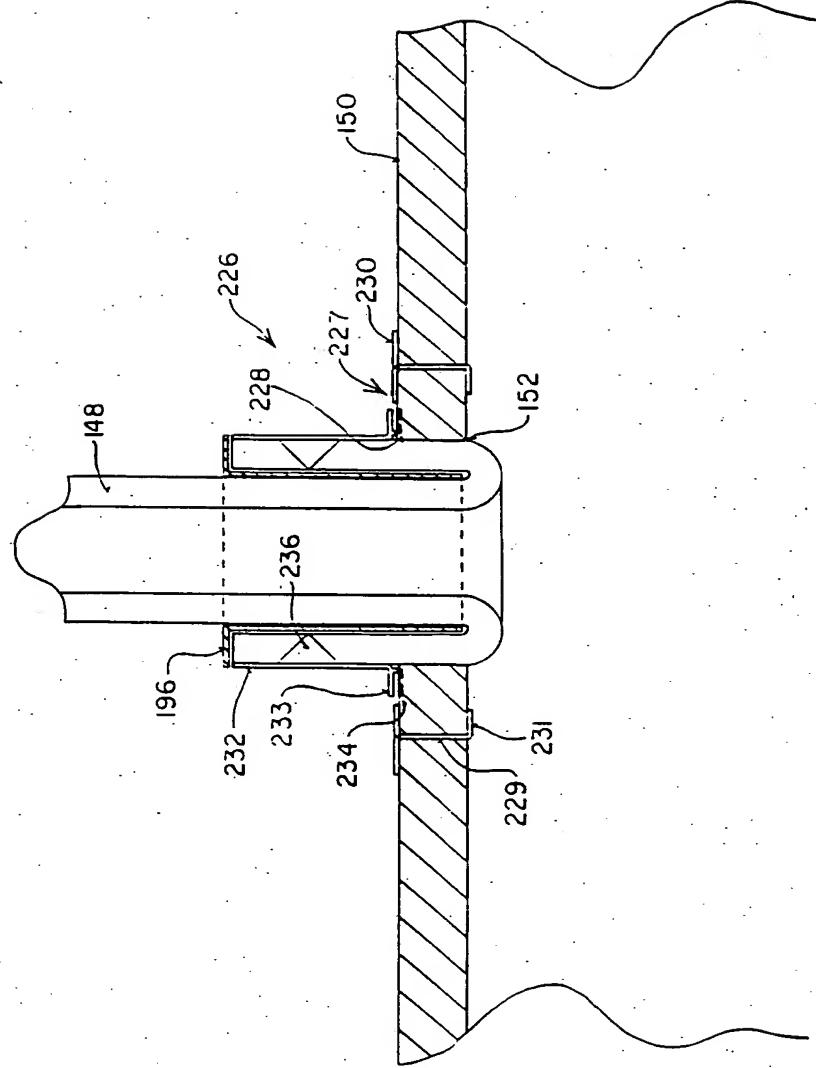


FIG. 19B



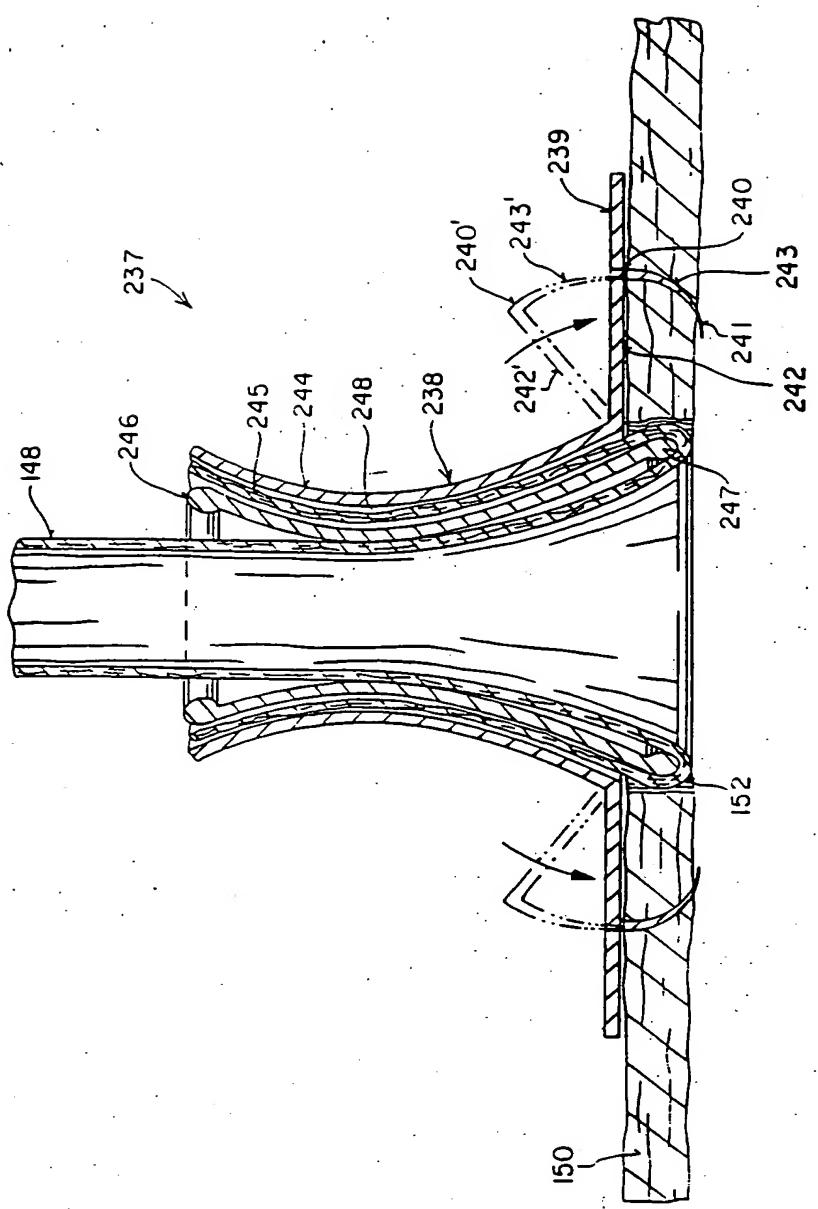


FIG. 20

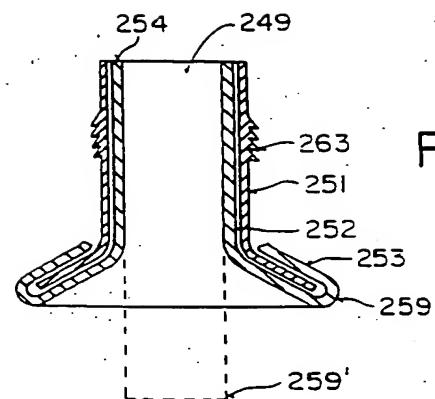


FIG. 21A

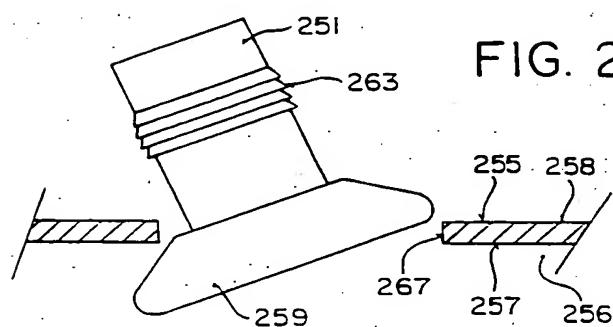


FIG. 21B

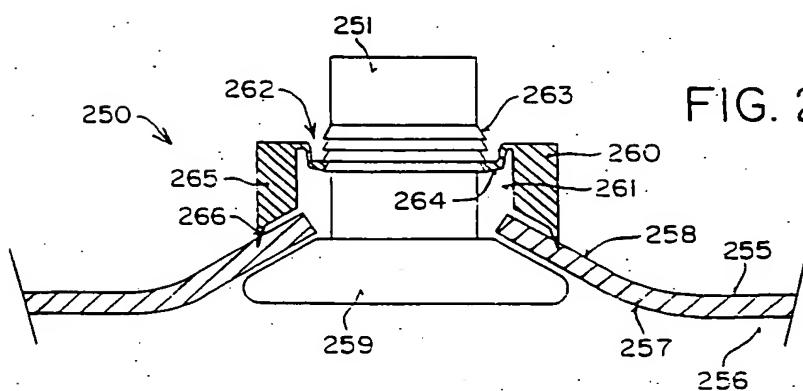


FIG. 21C

FIG. 22C

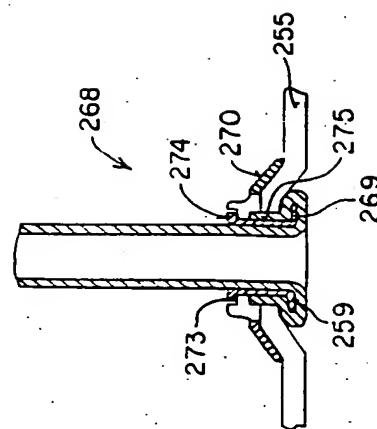


FIG. 22B

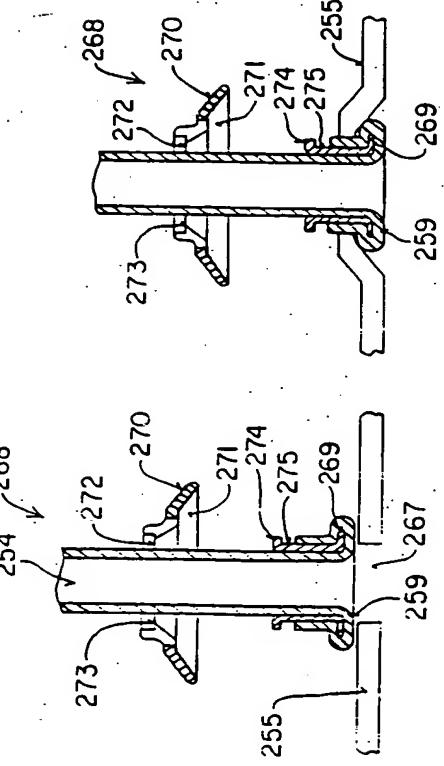


FIG. 22A

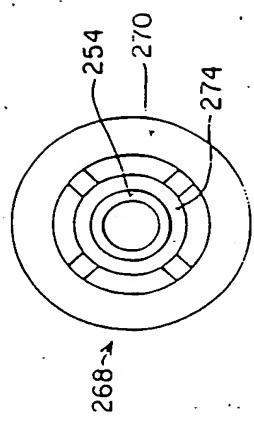


FIG. 22D

FIG. 23D

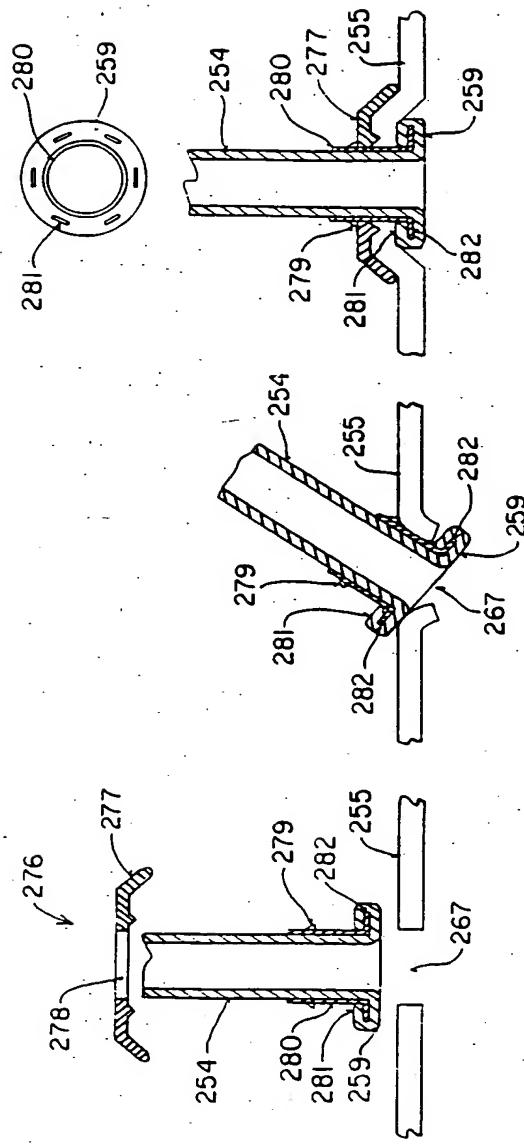


FIG. 23A

FIG. 23B

FIG. 23C

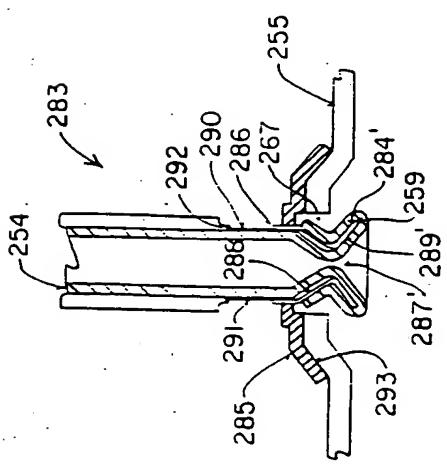


FIG. 24A

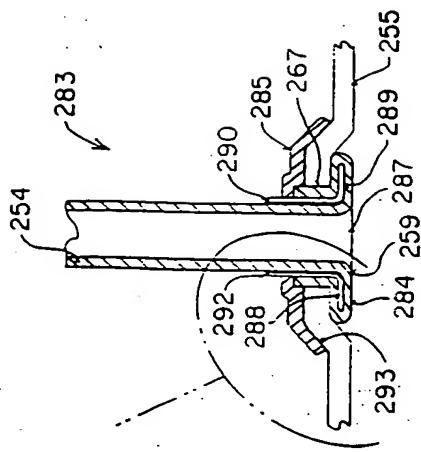


FIG. 24B

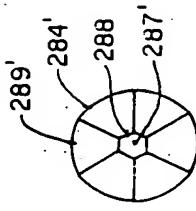


FIG. 24C

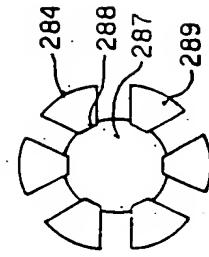


FIG. 24D

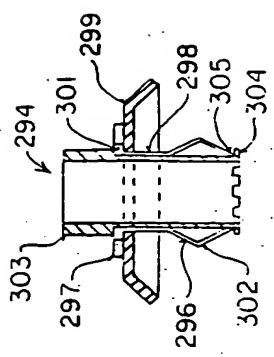


FIG. 25A

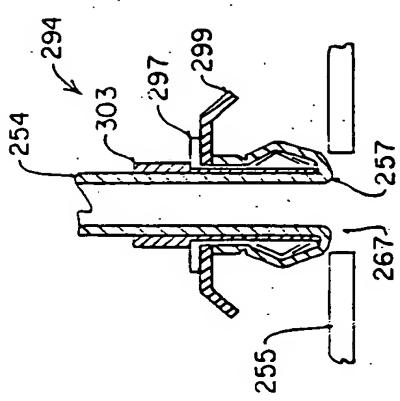


FIG. 25B

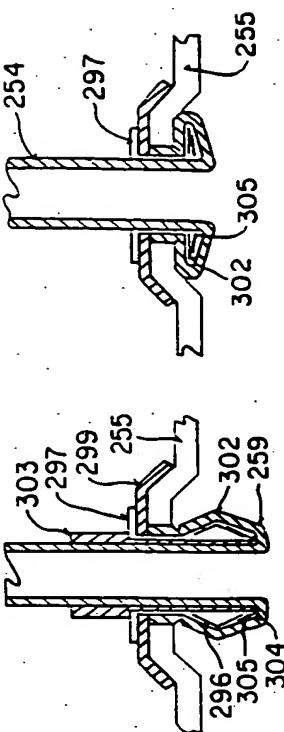


FIG. 25C FIG. 25D

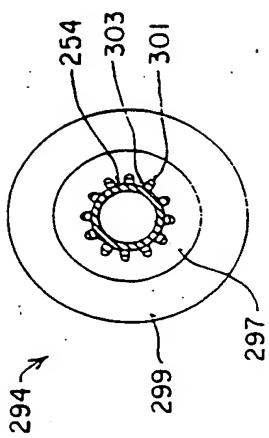


FIG. 25E

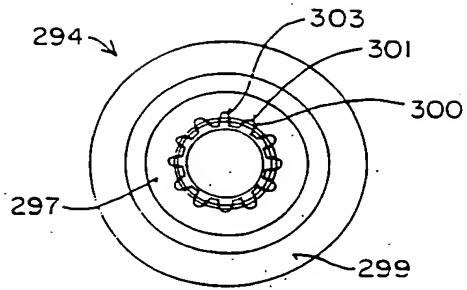


FIG. 25F

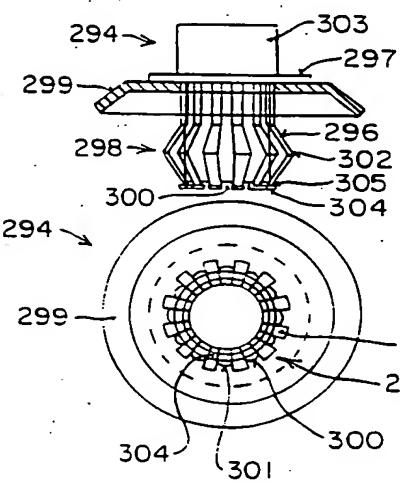


FIG. 25G

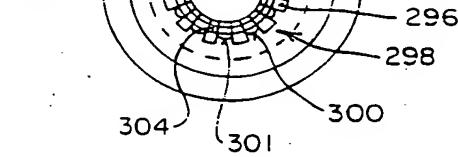


FIG. 25H

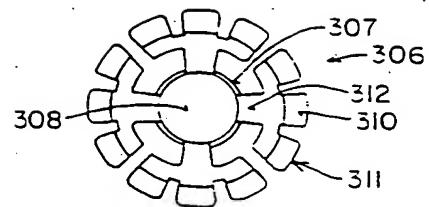


FIG. 26A

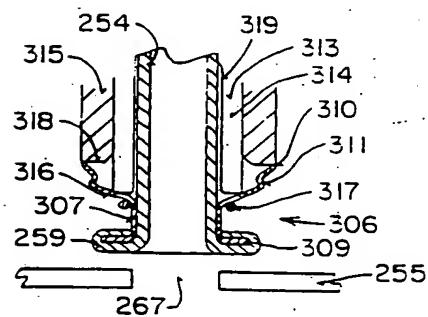


FIG. 26B

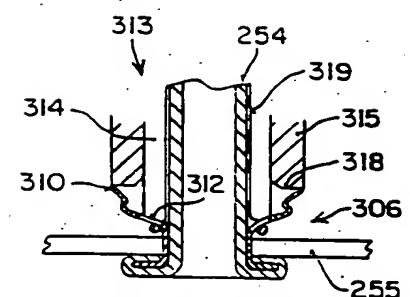


FIG. 26C

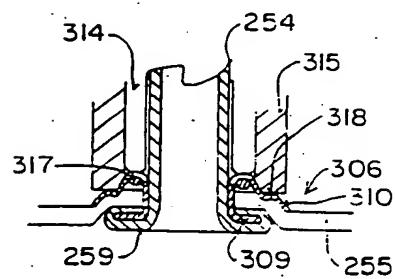


FIG. 26D

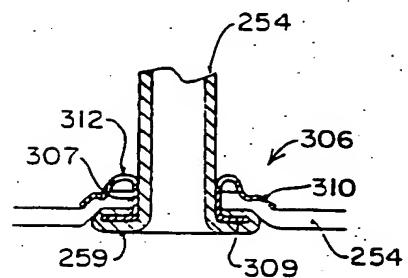


FIG. 26E

FIG. 26F

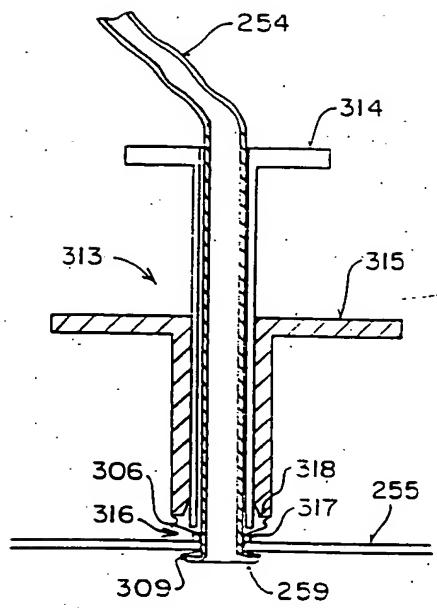


FIG. 26G

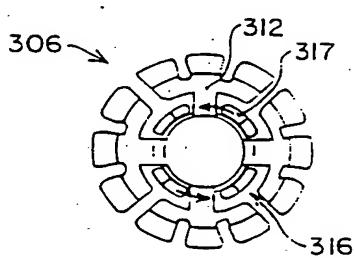
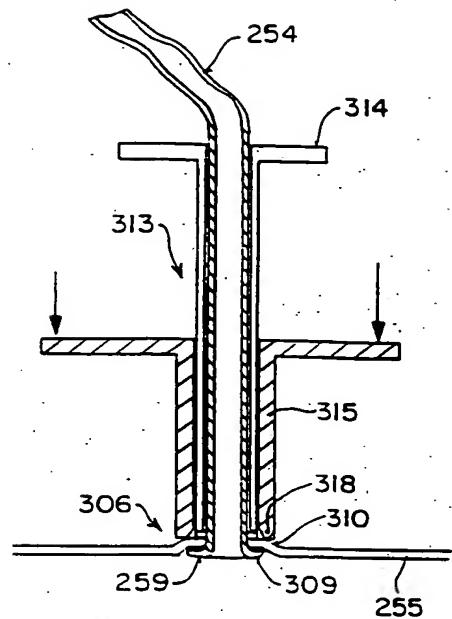


FIG. 26H

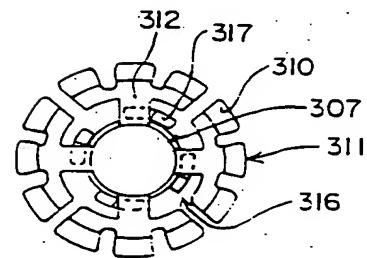


FIG. 26I

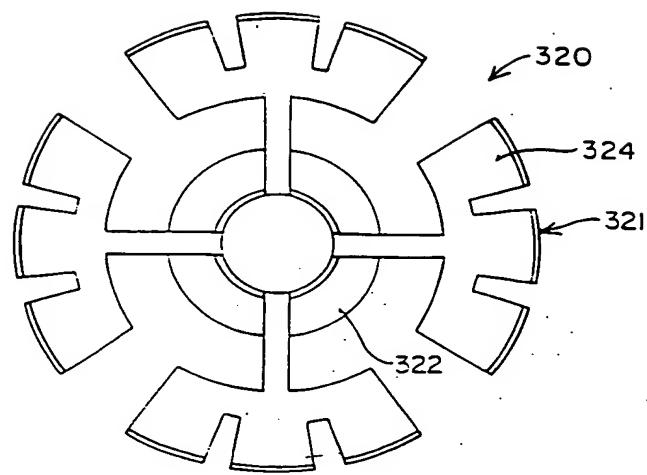


FIG. 27A

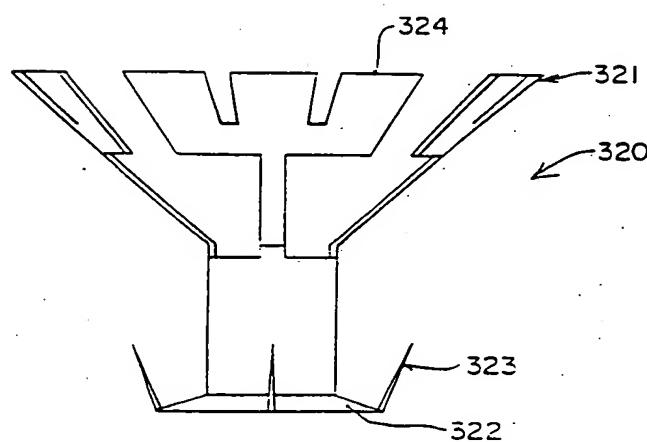


FIG. 27B

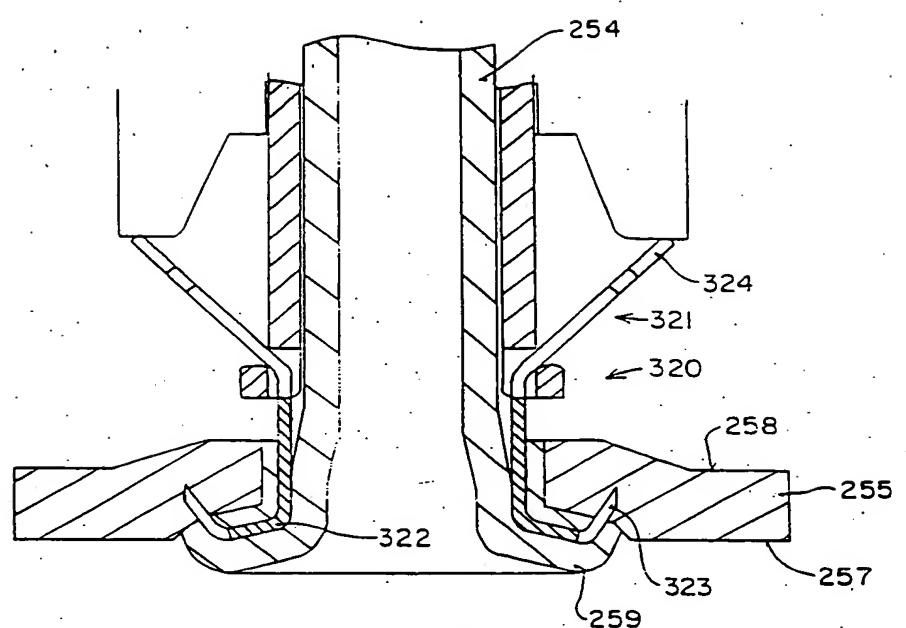


FIG. 27C

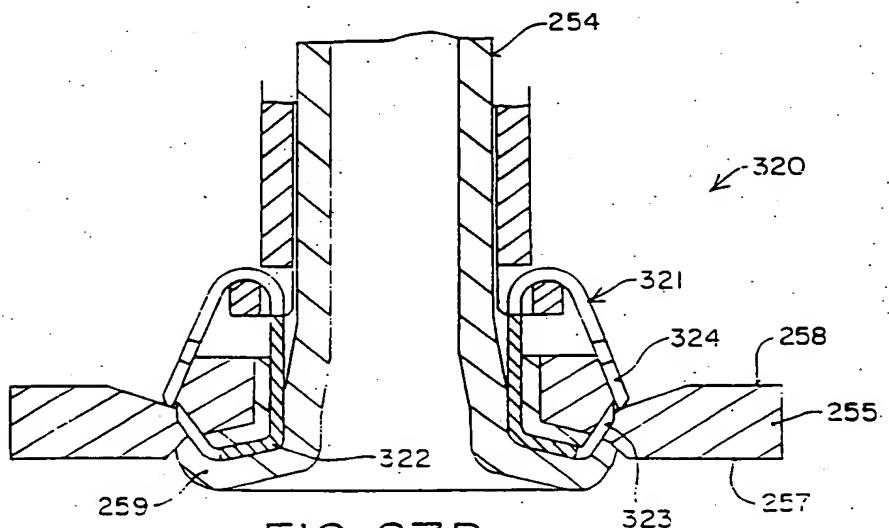


FIG. 27D

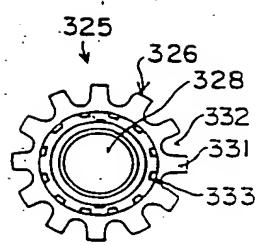


FIG. 28A

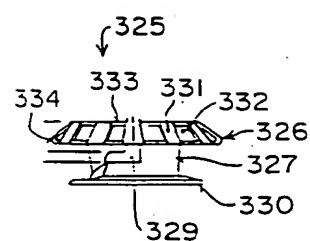


FIG. 28B

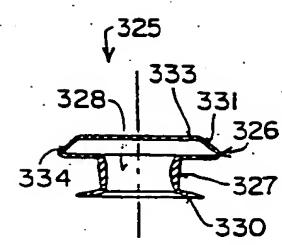


FIG. 28C

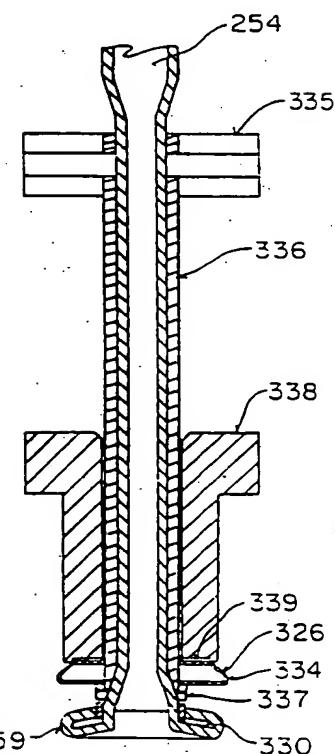


FIG. 28D

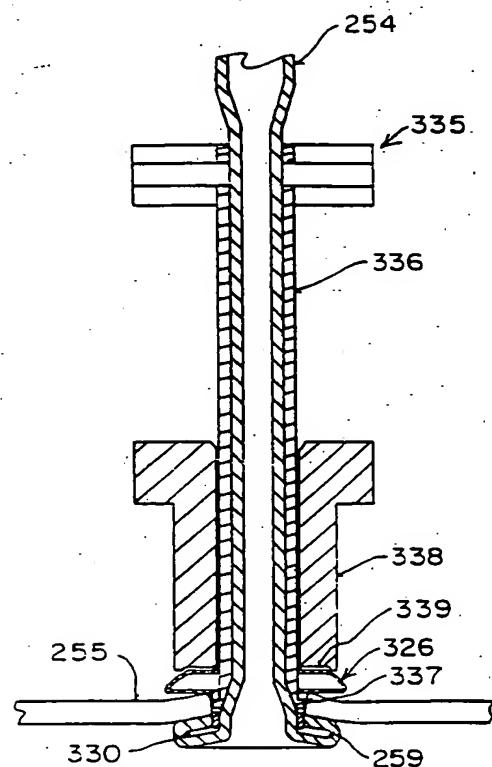


FIG. 28E

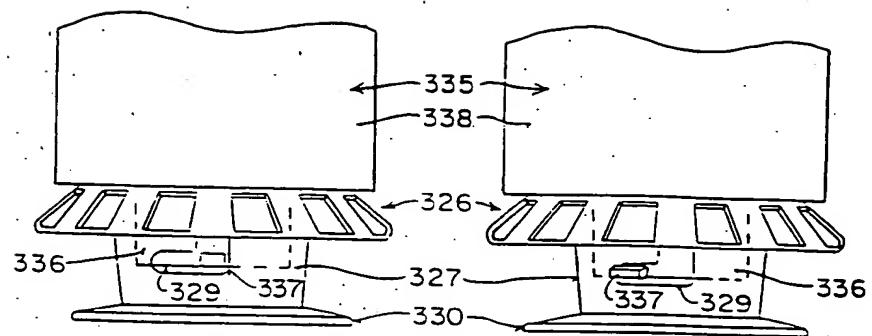


FIG. 28H

FIG. 28I

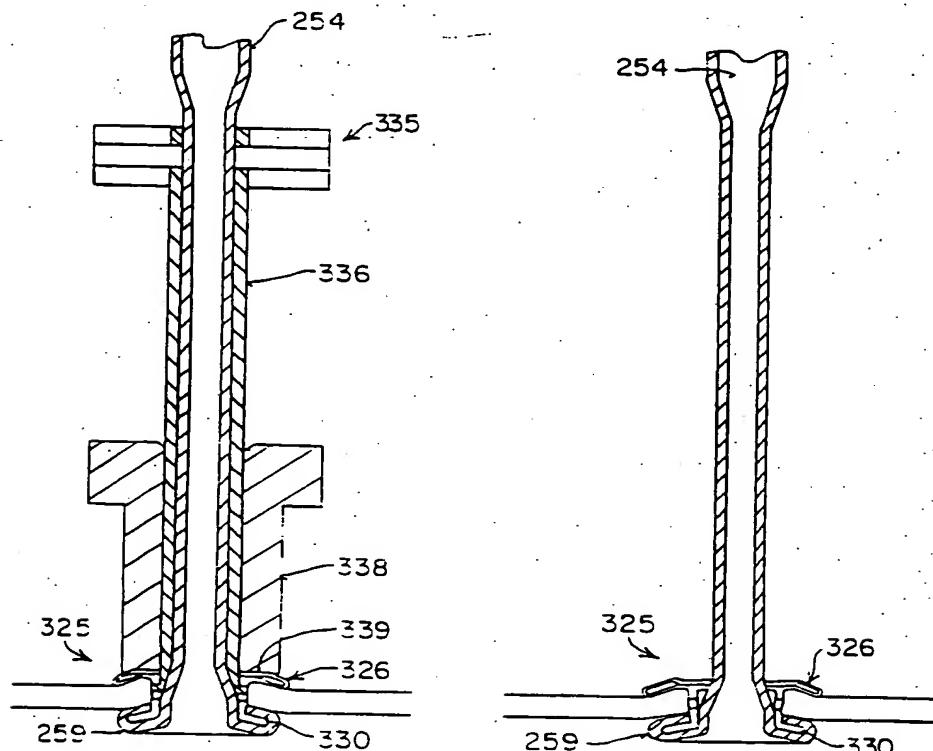


FIG. 28F

FIG. 28G

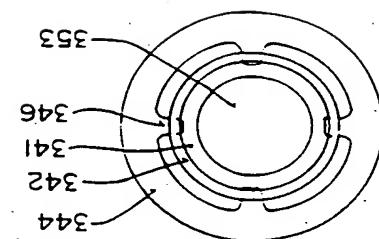


FIG. 29C

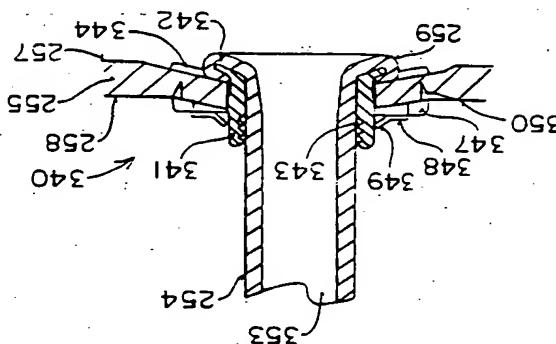


FIG. 29B

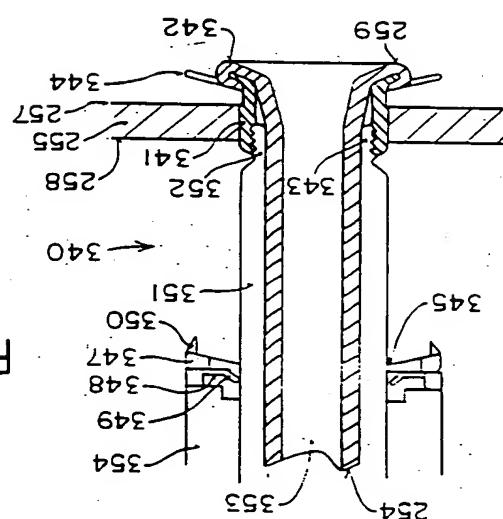


FIG. 29A

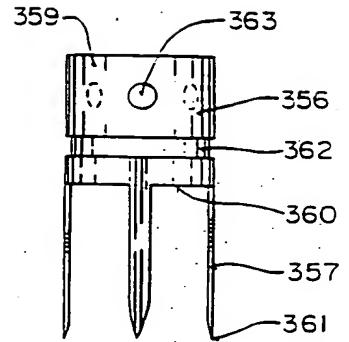


FIG. 30A

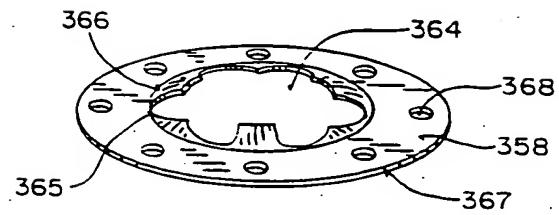


FIG. 30B

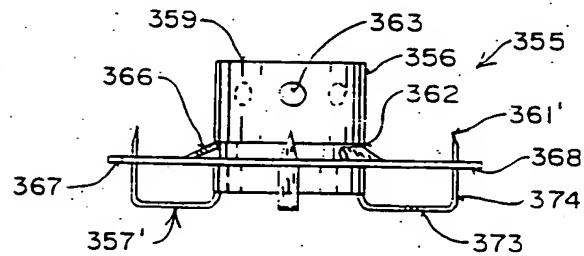


FIG. 30C

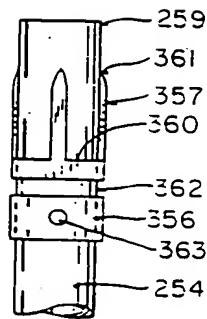


FIG. 30D

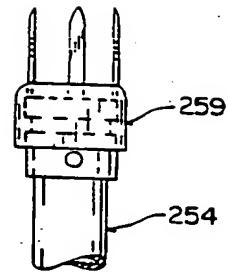


FIG. 30E

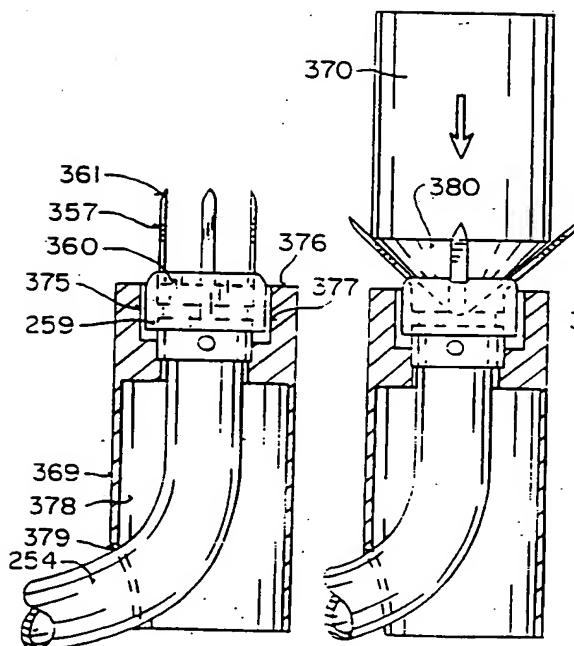


FIG. 30F

FIG. 30G

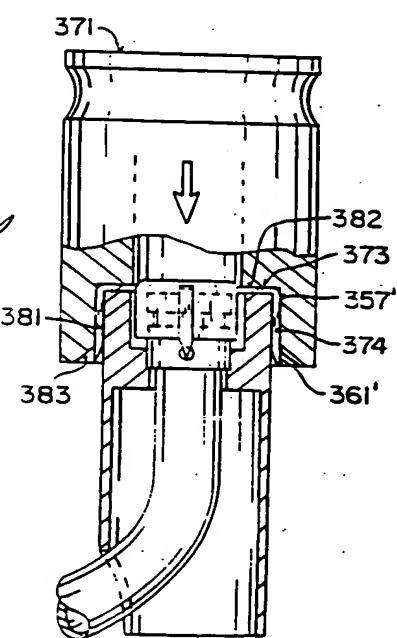


FIG. 30H

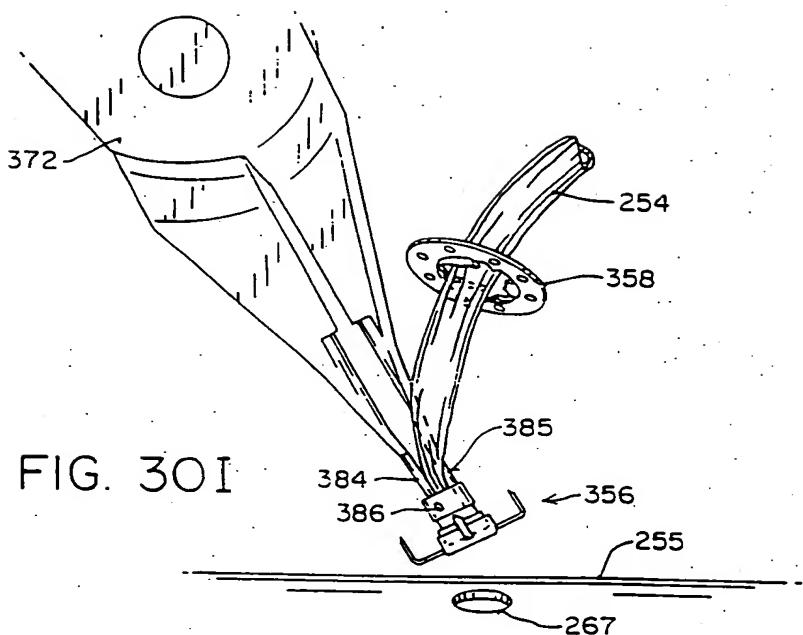


FIG. 30I

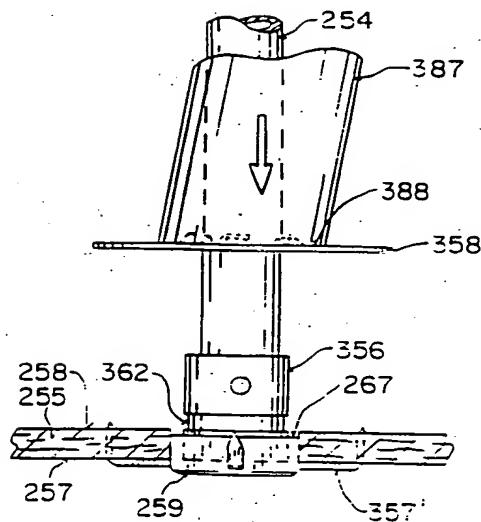


FIG. 30J

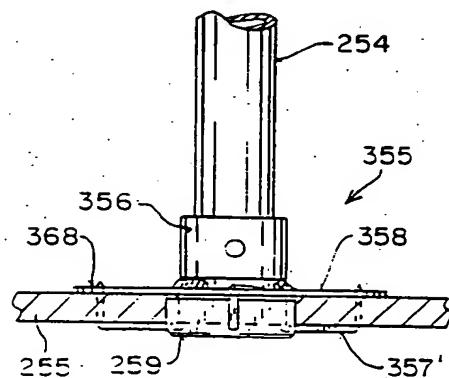


FIG. 30K

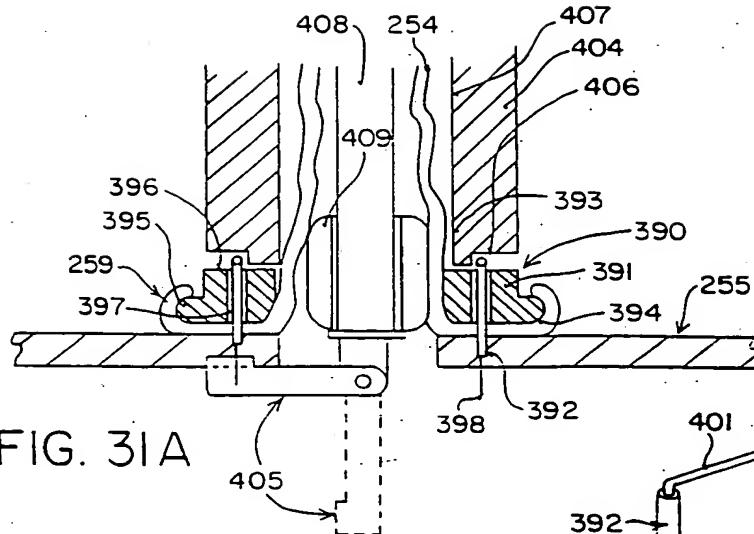


FIG. 31A

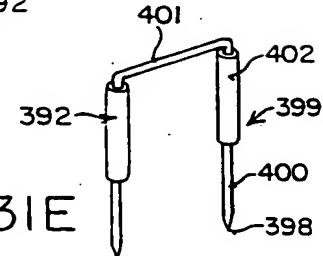


FIG. 31E

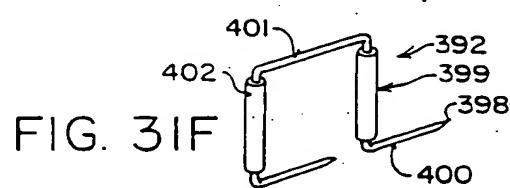


FIG. 31F

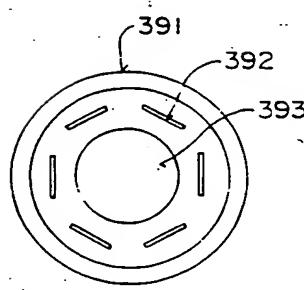


FIG. 31B

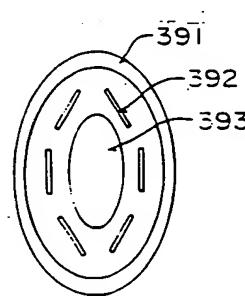


FIG. 31C

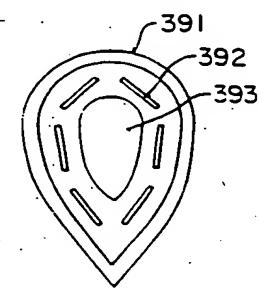


FIG. 31D

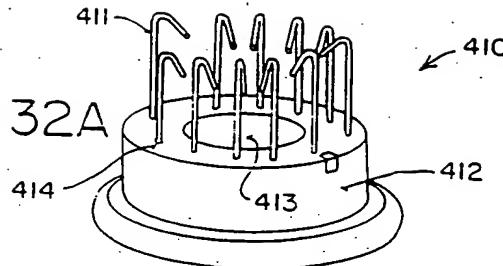


FIG. 32A

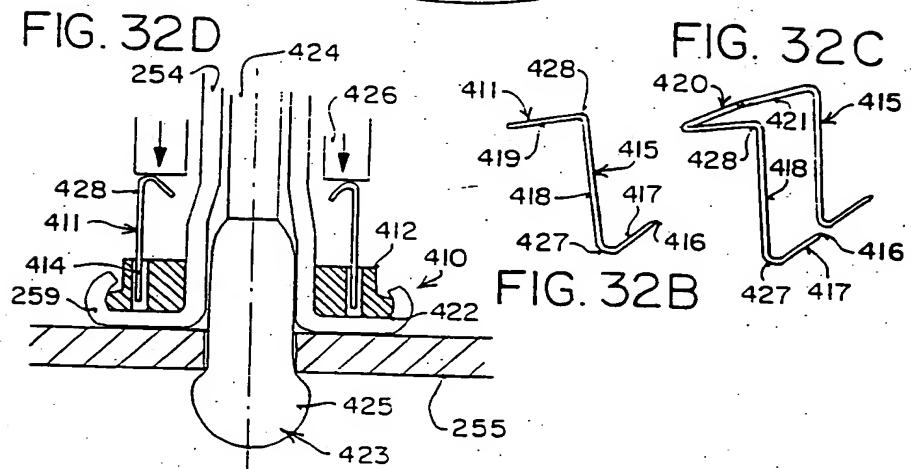


FIG. 32D

FIG. 32C

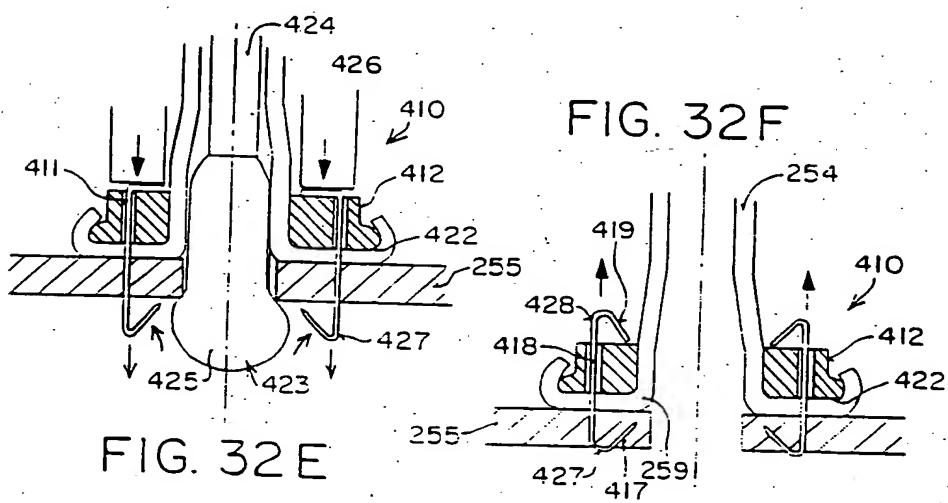


FIG. 32E

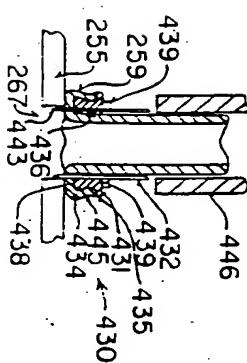


FIG. 33A

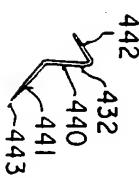


FIG. 33D

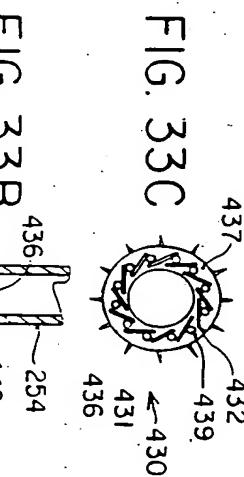


FIG. 33B

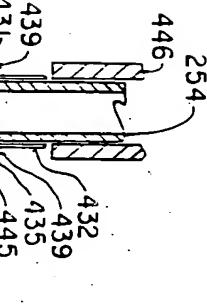


FIG. 34A

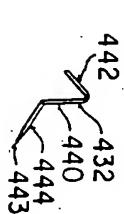


FIG. 34D

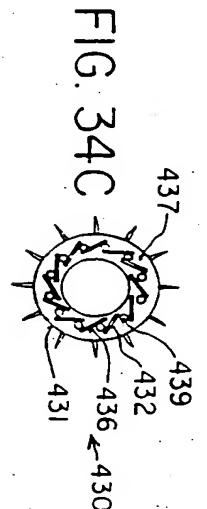


FIG. 34C

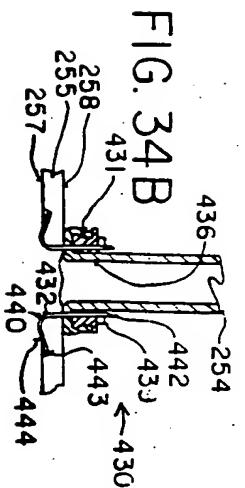


FIG. 34B

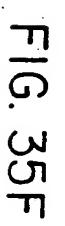
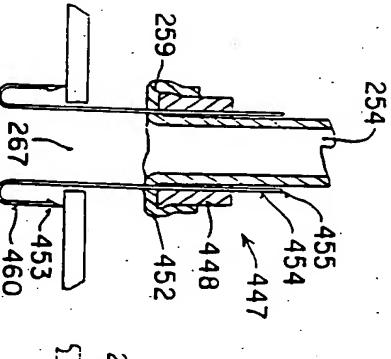
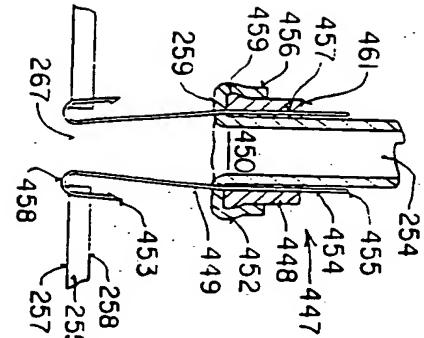
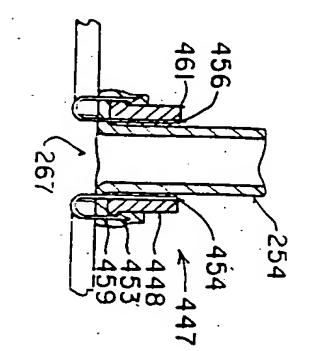
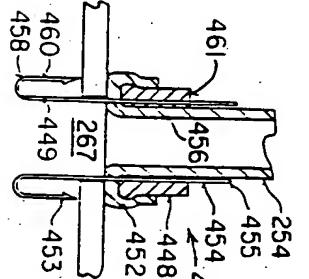
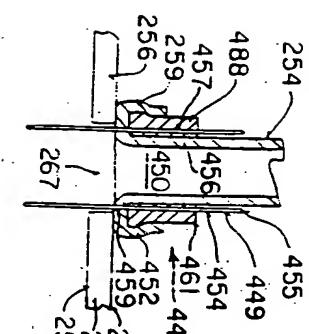


FIG. 36A

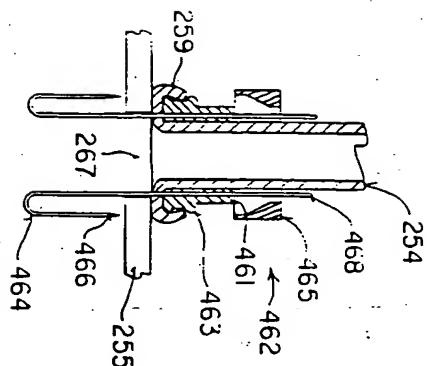


FIG. 36B

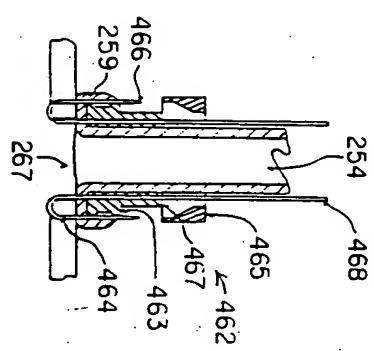
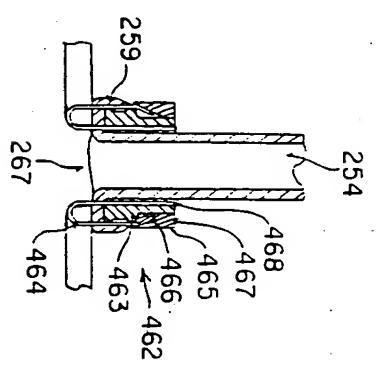


FIG. 36C



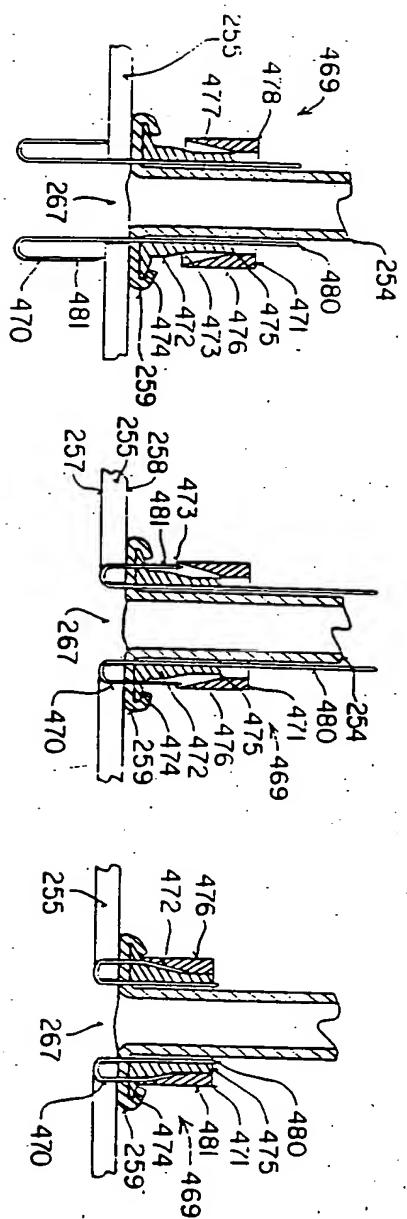


FIG. 37A

FIG. 37B

FIG. 37C

FIG. 38A

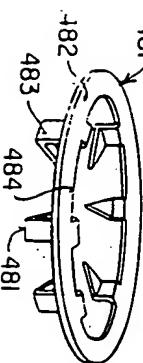


FIG. 38B

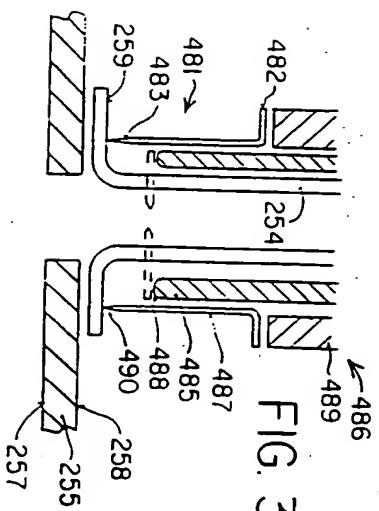


FIG. 39C

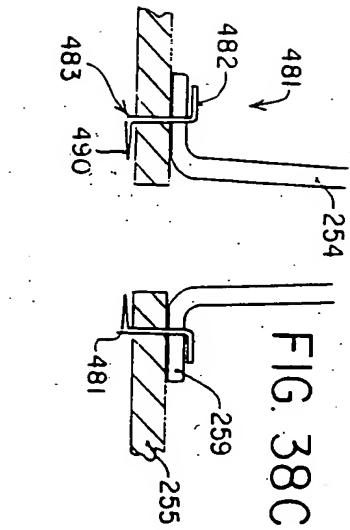


FIG. 39A

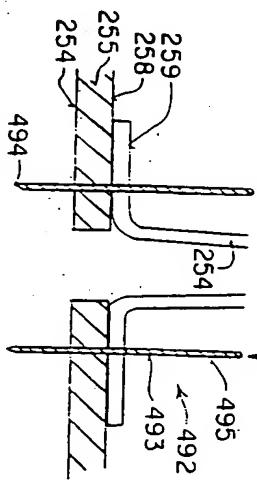
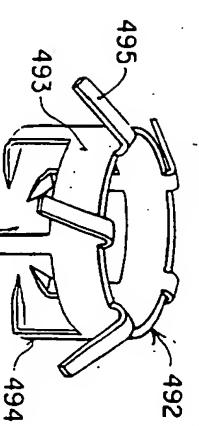


FIG. 40C

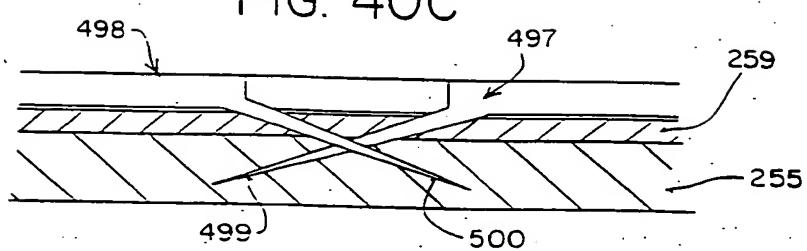


FIG. 40A

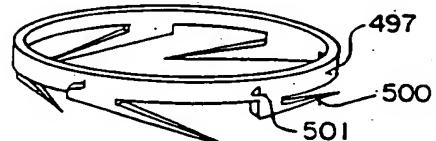


FIG. 40B

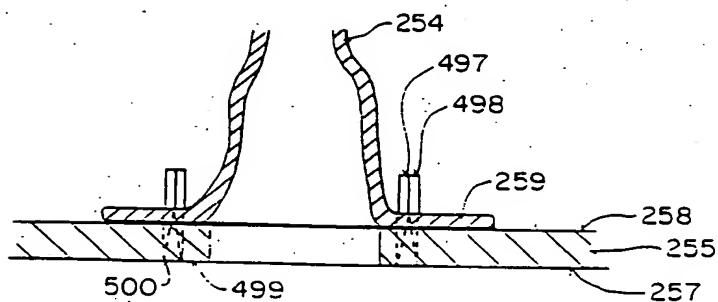
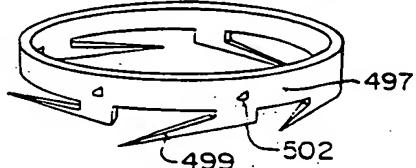


FIG. 40D

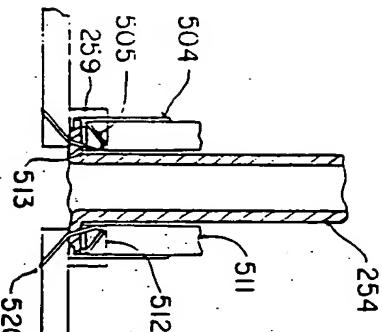


FIG. 41C

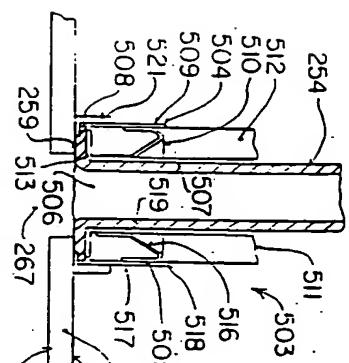


FIG. 41A

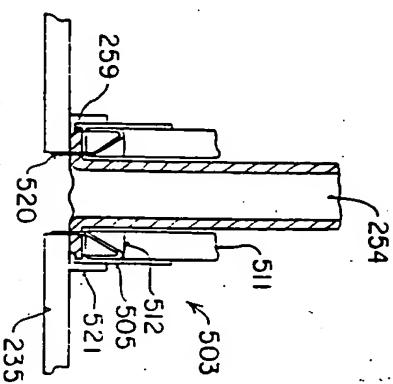


FIG. 41B

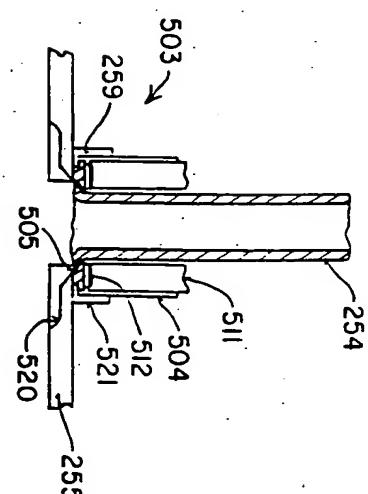


FIG. 41D

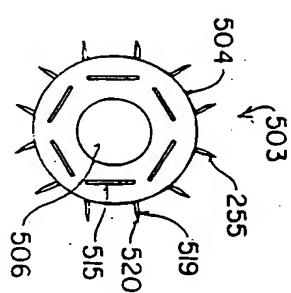


FIG. 41E

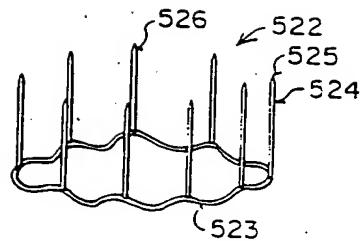


FIG. 42A

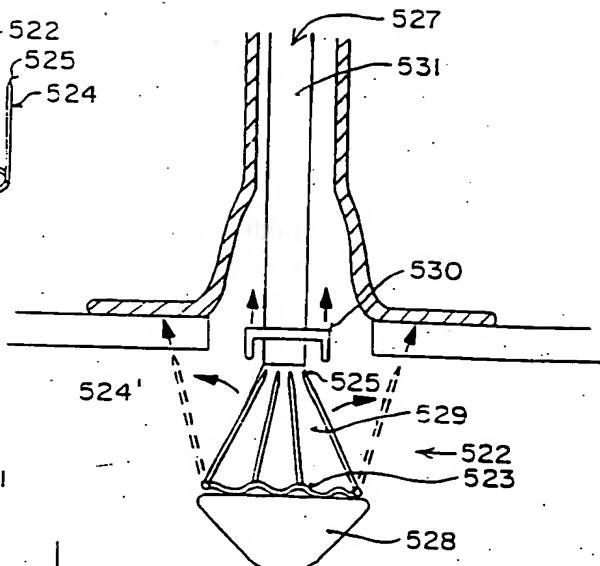


FIG. 42B

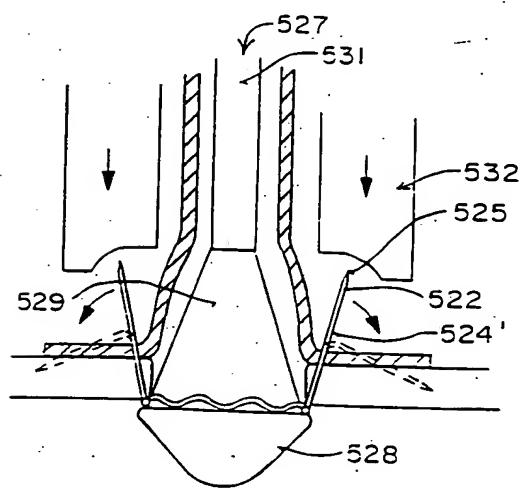


FIG. 42C

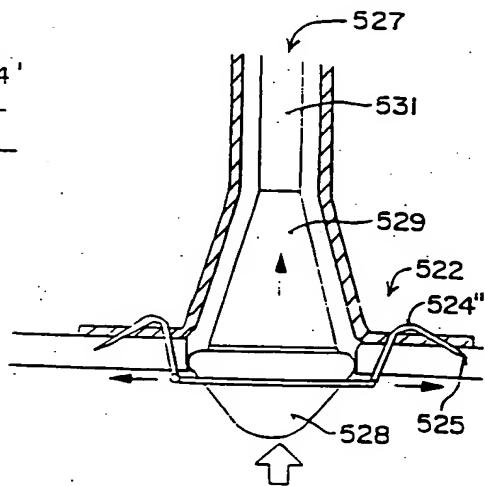


FIG. 42D

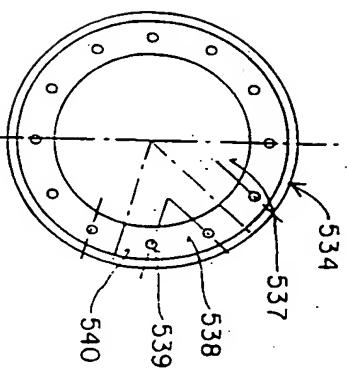


FIG. 43A

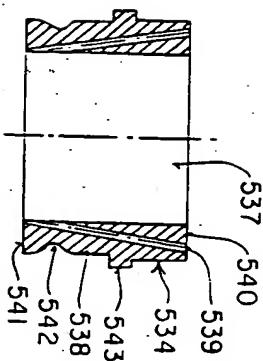


FIG. 43B

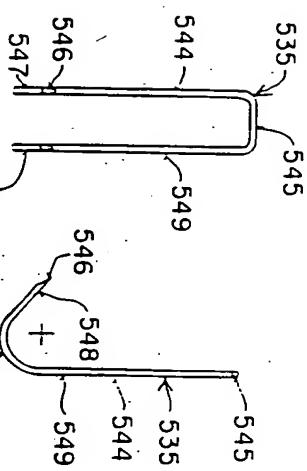


FIG. 44A

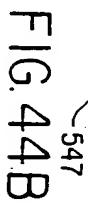


FIG. 44B

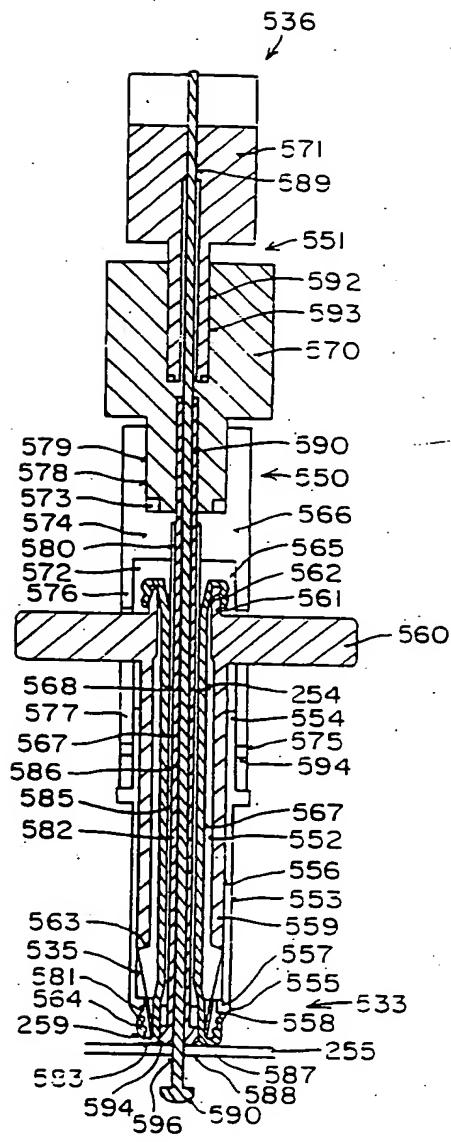


FIG. 45A

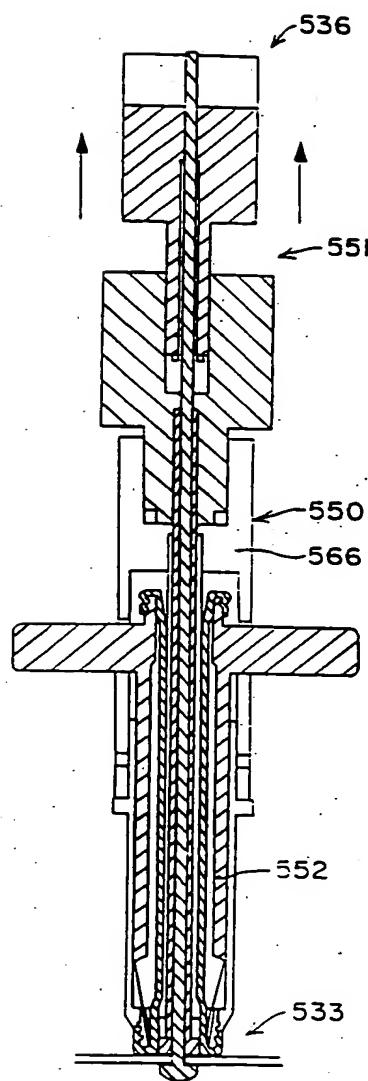


FIG. 45B

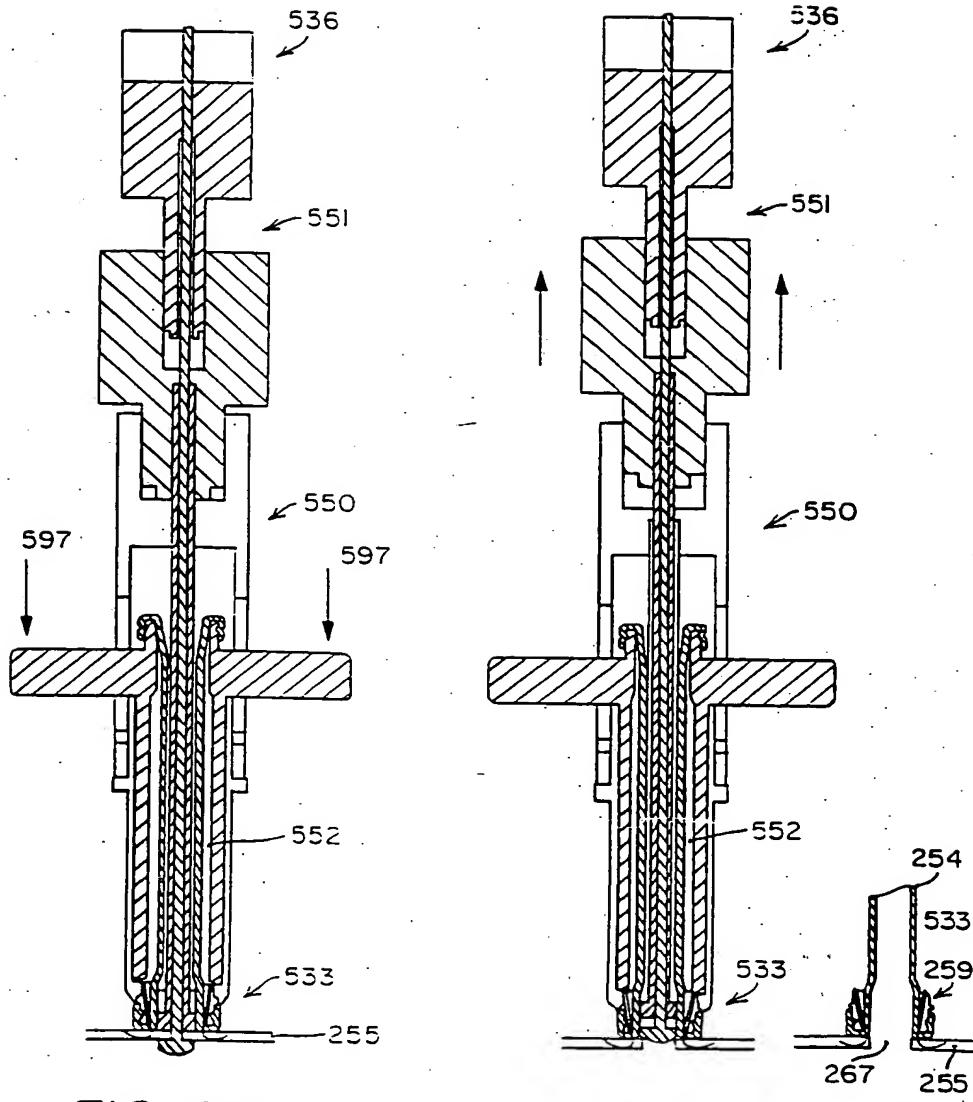


FIG. 45C

FIG. 45D

FIG.
45E

FIG. 46C

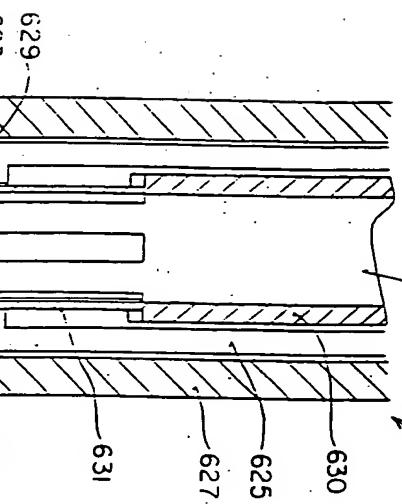


FIG. 46D

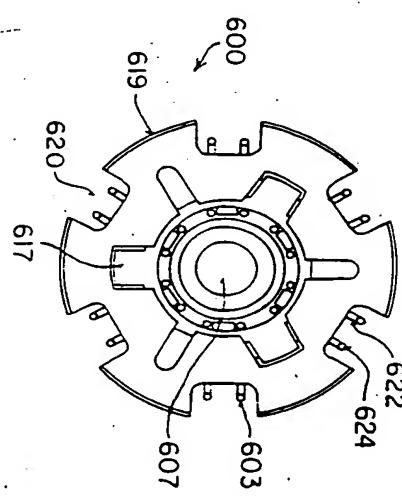
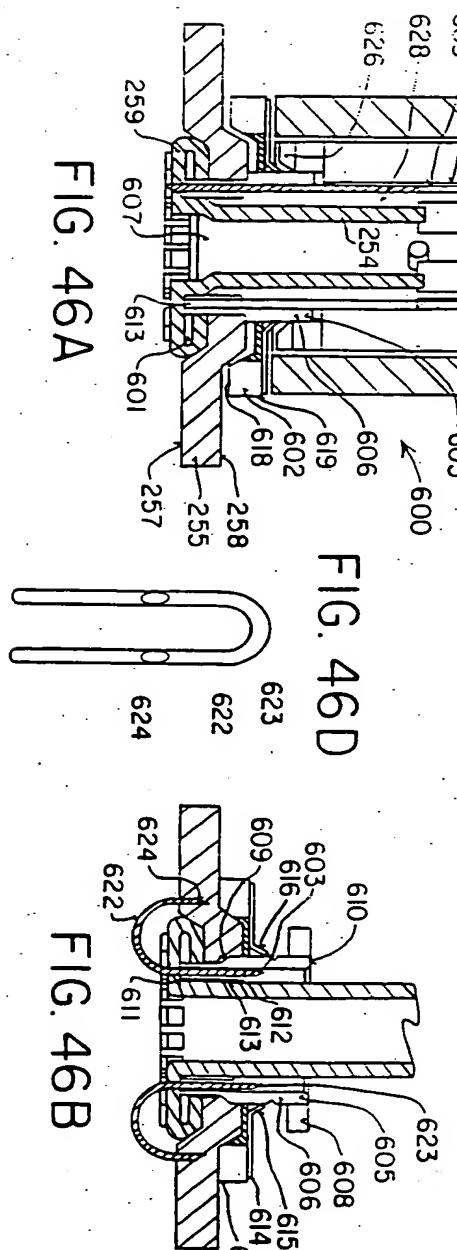


FIG. 46A



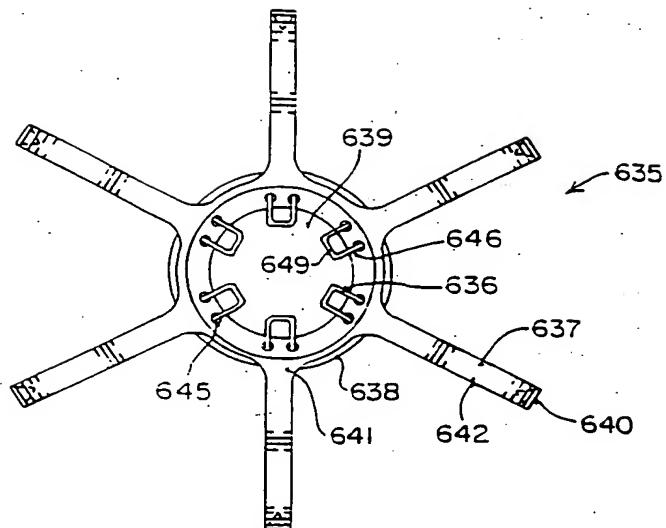


FIG. 47A

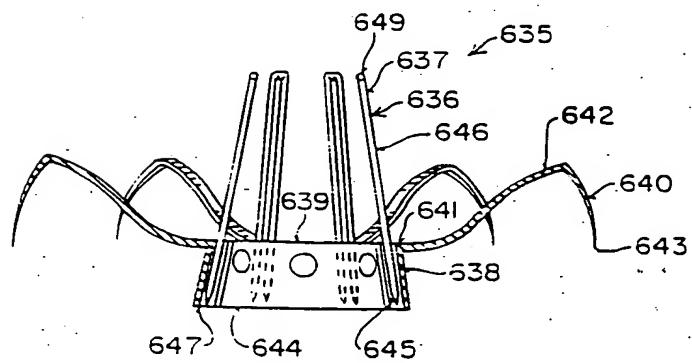


FIG. 47B

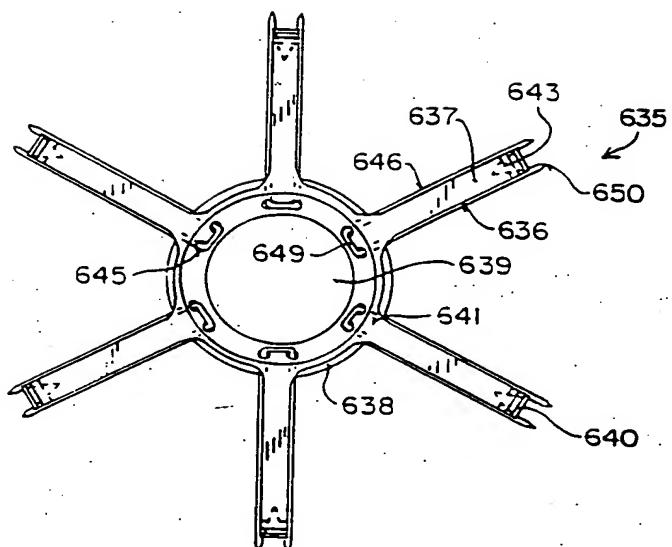


FIG. 48A

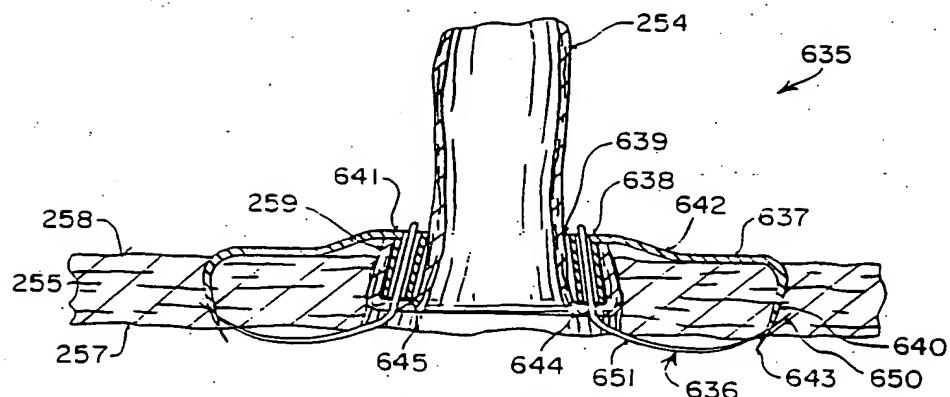


FIG. 48B

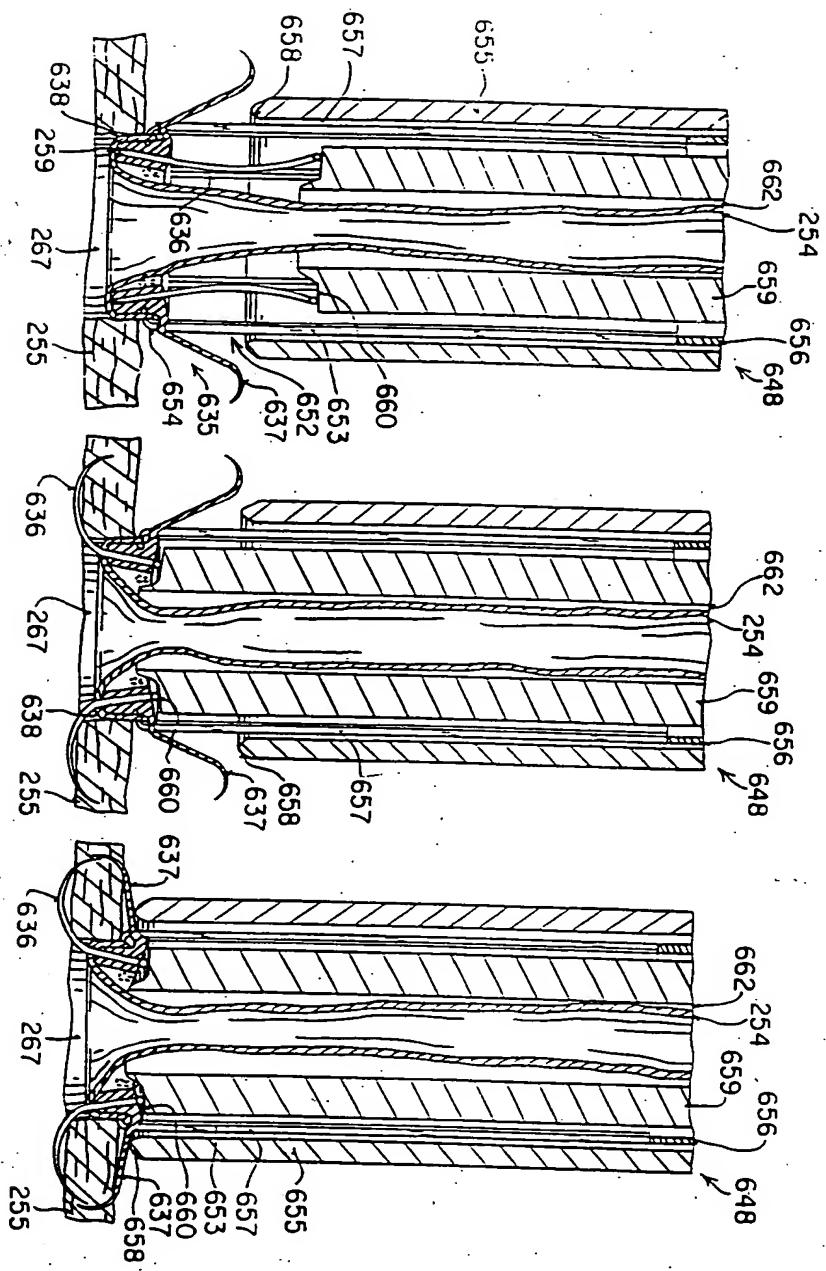


FIG. 49A

FIG. 49B

FIG. 49C

FIG. 50A

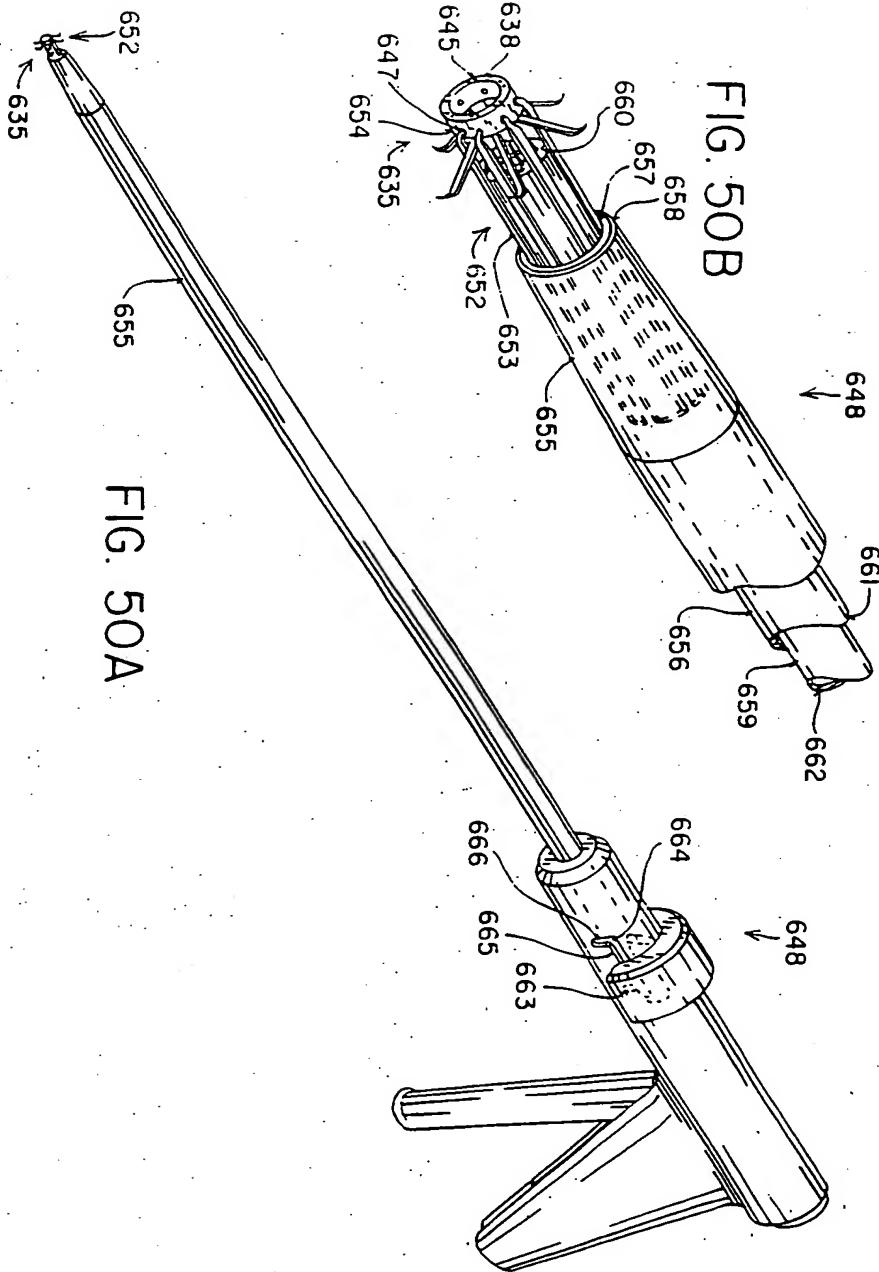


FIG. 50B

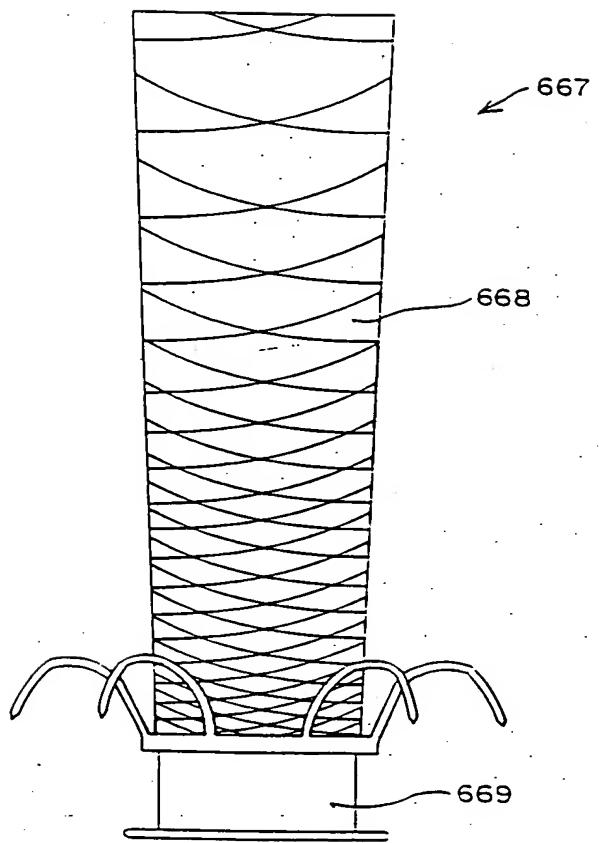


FIG. 51

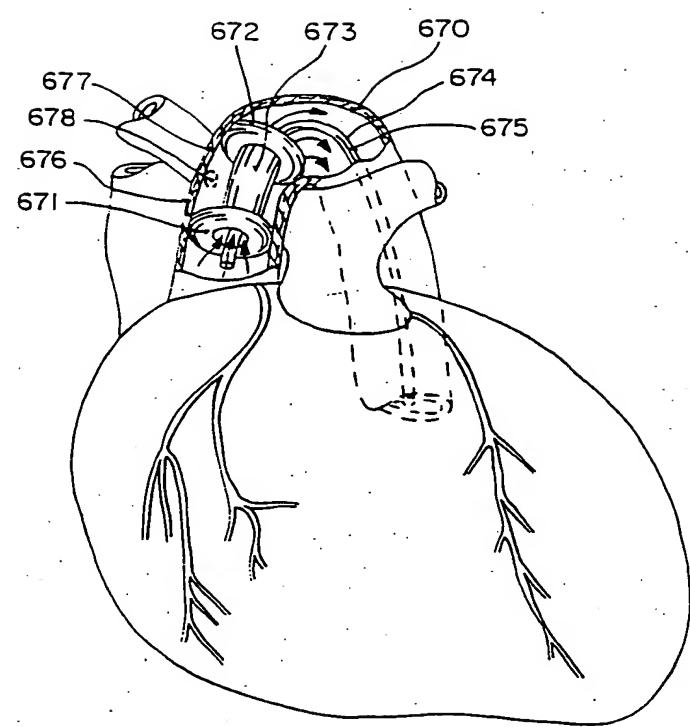


FIG. 52

FIG. 53

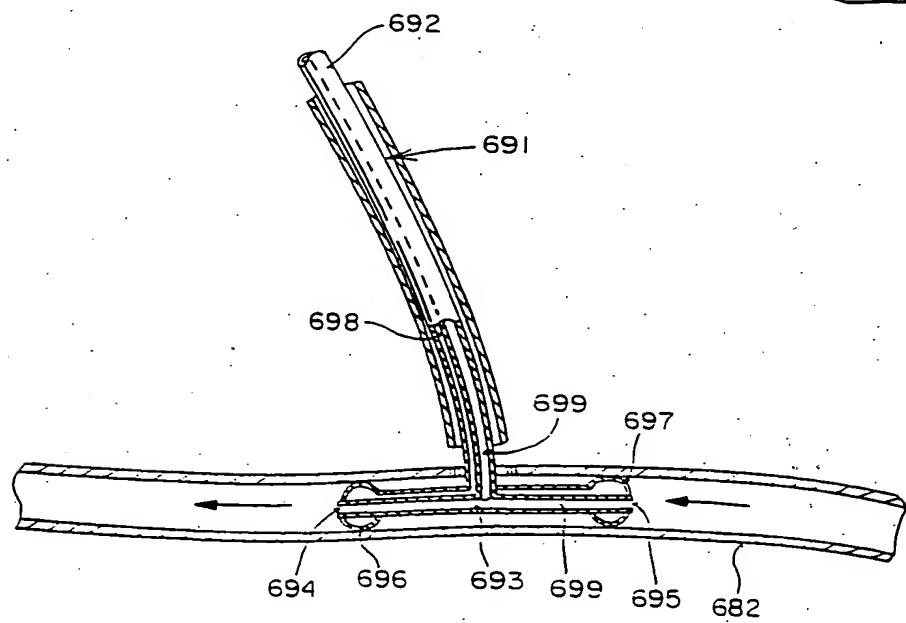
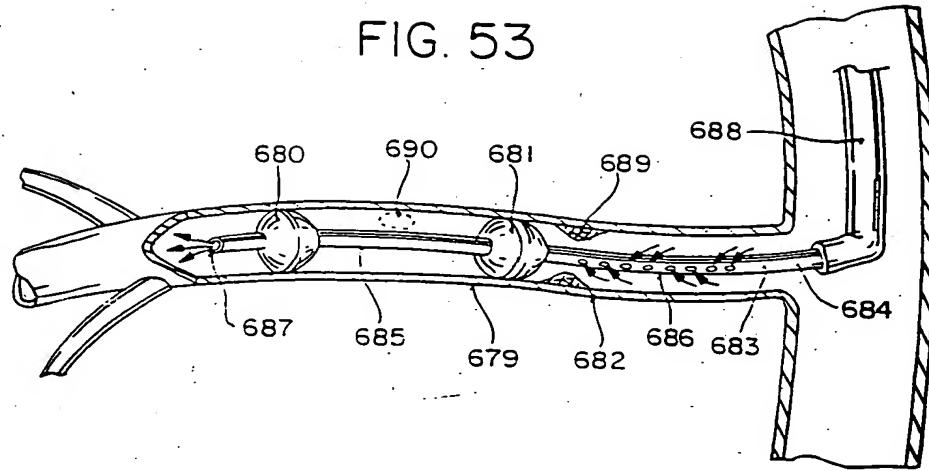


FIG. 54

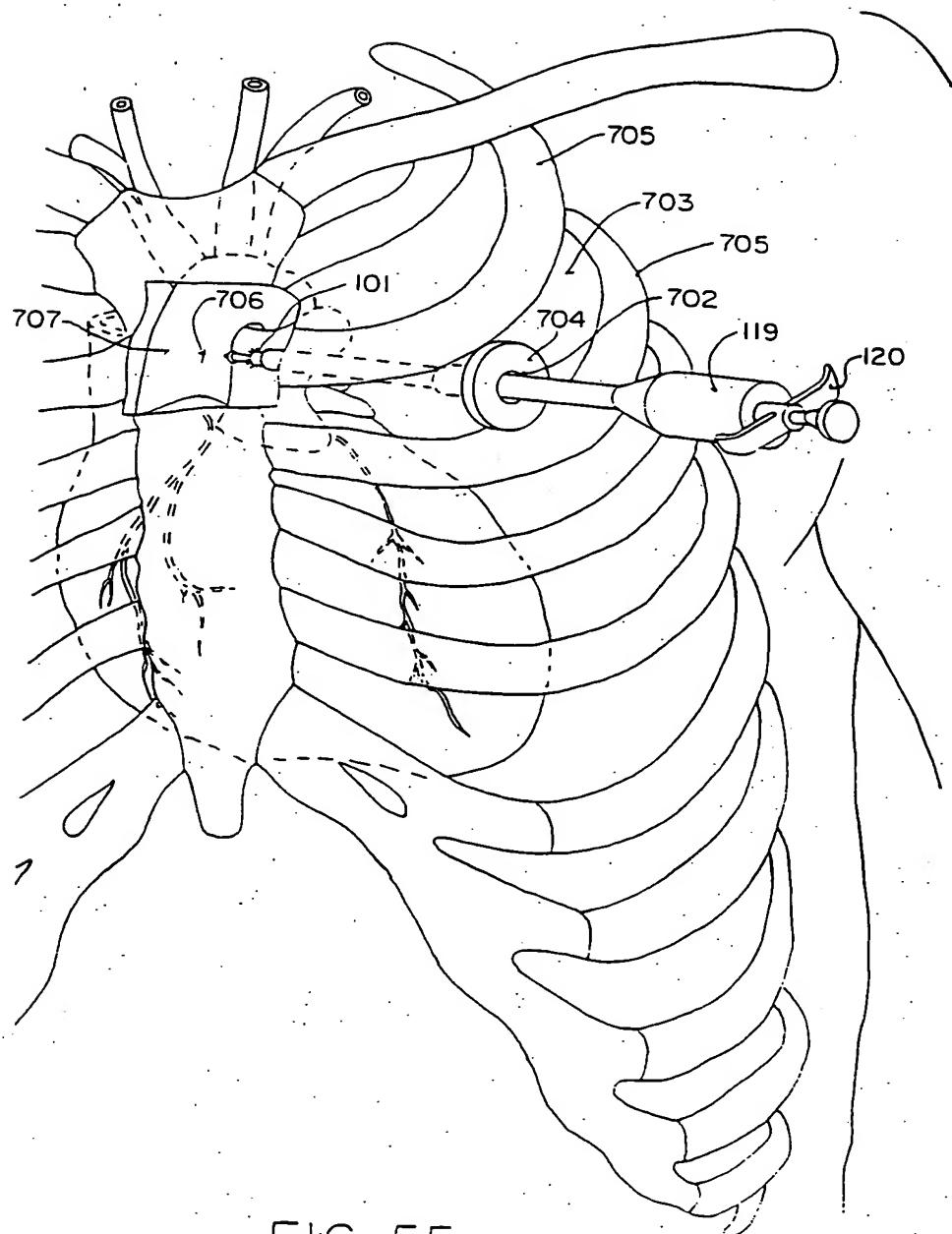


FIG. 55

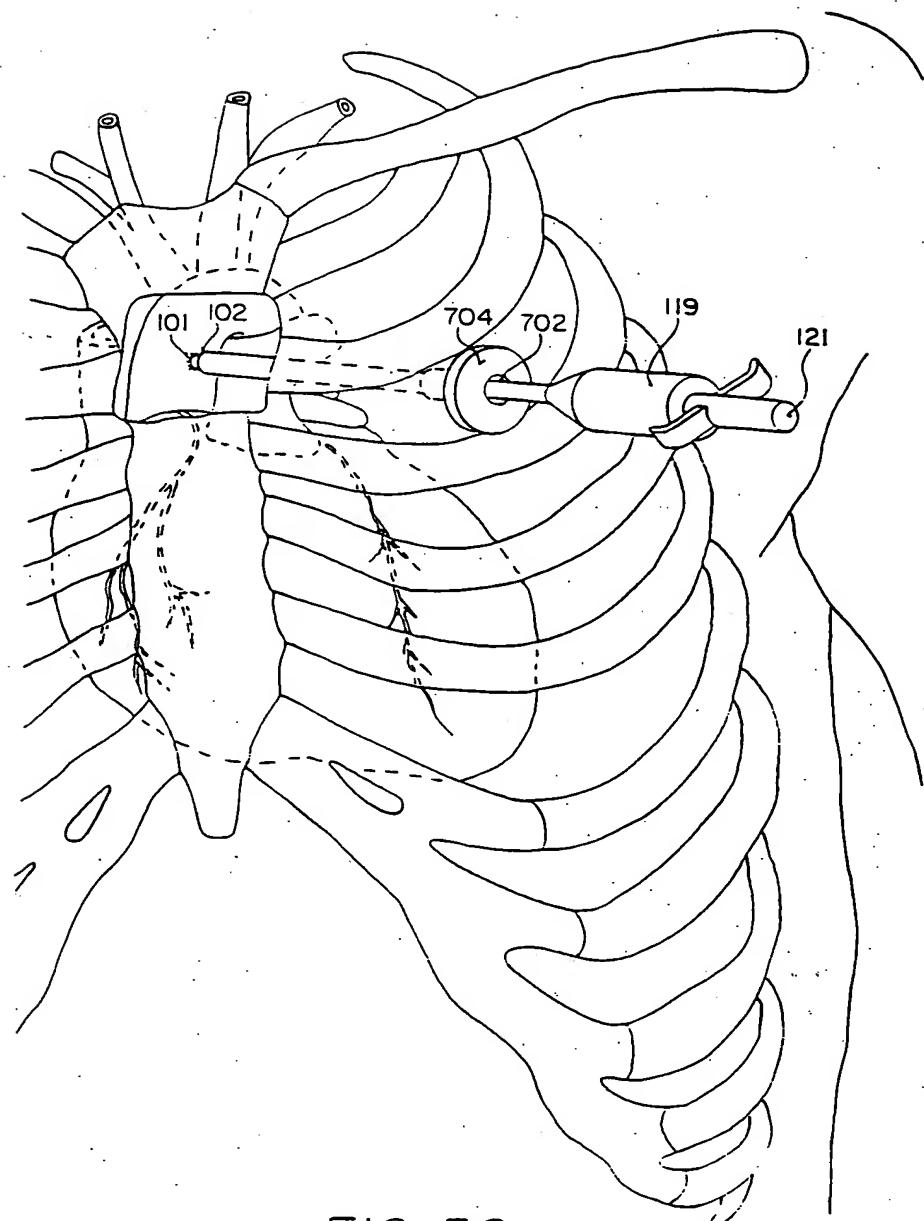


FIG. 56

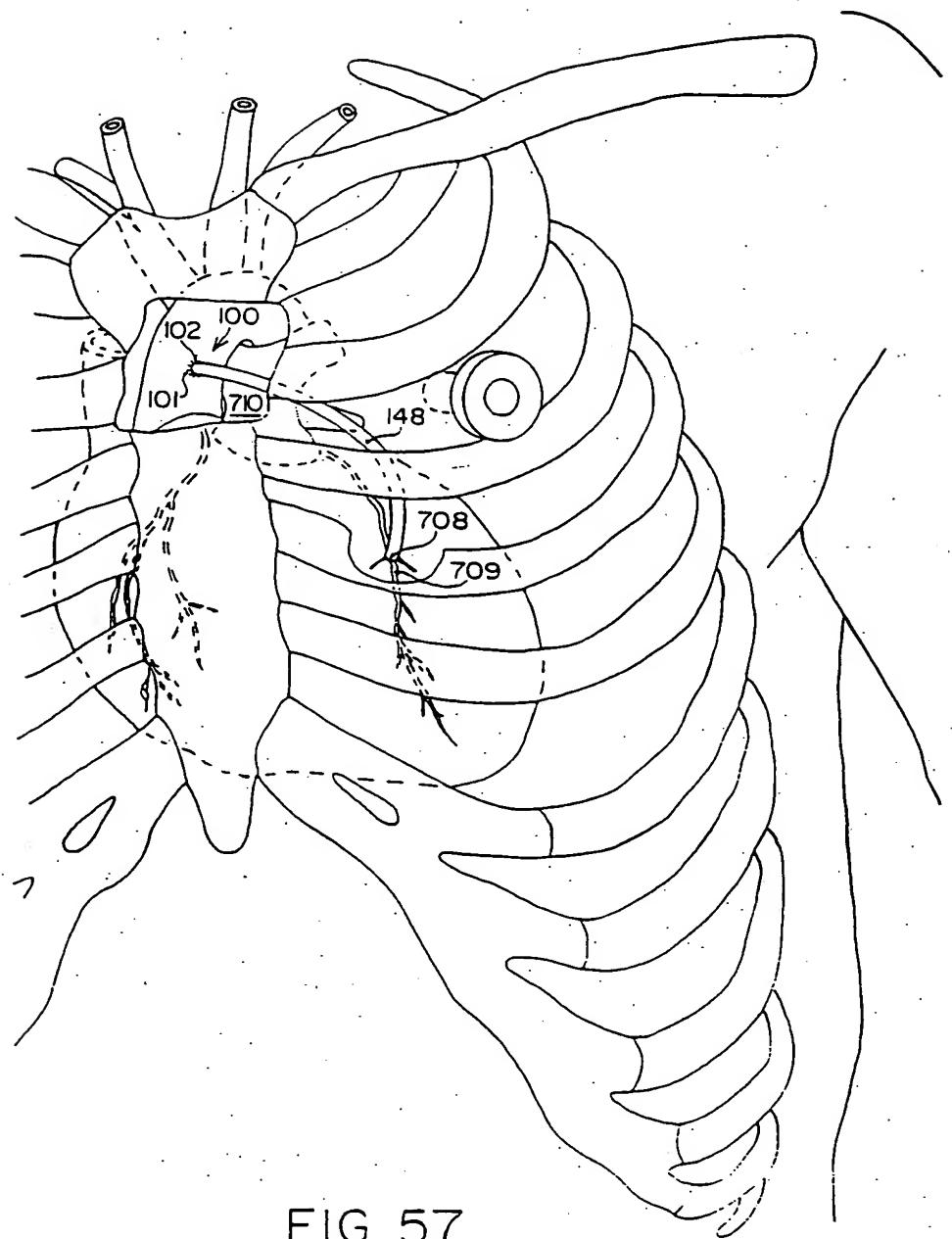


FIG. 57